

# LBT-A295/D550

## SERVICE MANUAL



US Model  
LBT-D550

Canadian Model  
AEP Model

UK Model

E Model

Australian Model

PX Model

LBT-A295

• LBT-A295/D550 is composed of following models.

As for the service manual, it is issued for each component model,  
then, please refer to it.

### COMPONENT MODEL NAME FOR THESE SYSTEM

	LBT-A295								LBT-D550
	Canadian	AEP	UK	G	E	AU	MX	PX	US
STEREO DECK RECEIVER	HCD-A295								HCD-D550
TURN TABLE	PS-LX56P								
SPEAKER SYSTEM	SS-D290	SS-D290							SS-D555

AU : AUSTRALIA  
MX : MEXICO  
G : GERMANY

### PARTS LIST

Part No.	Description	Part No.	Description
1-501-374-11	ANTENNA , LOOP	* 4-963-189-01	INDIVIDUAL CARTON(UK)
1-501-536-11	ANTENNA (AEP)	* 4-963-192-01	INDIVIDUAL CARTON(AEP,G)
3-758-285-11	MANUAL, INSTRUCTION (UK)	* 4-963-193-01	INDIVIDUAL CARTON(D550)
	(ENGLISH)	* 4-963-196-01	INDIVIDUAL CARTON(CA,AU,PX)
3-758-285-21	MANUAL, INSTRUCTION (D550)	* 4-963-197-01	INDIVIDUAL CARTON(E)
	(ENGLISH)	* 4-966-411-01	INDIVIDUAL CARTON(MX)
3-758-285-31	MANUAL, INSTRUCTION (CA)	A-4674-087-A	TURN TABLE MAT ASSY(PS-LX56P)
	(ENGLISH , FRENCH)	1-467-430-11	COMMANDER , STANDARD
3-758-285-41	MANUAL, INSTRUCTION (AEP)		(RM-S221)(HCD)
	(ENGLISH , FRENCH , SPANISH , PORTUGUESE)	2-181-754-21	COVER(MLY), BATTERY(RM-S221)
3-758-285-51	MANUAL, INSTRUCTION(AEP,G)	* 3-376-136-01	CUSHION(CASSETTE HALF)(HCD)
	(GERMAN , DUTCH , SWEDISH , ITALIAN)	* 4-947-532-01	SNOW BOX (L)(PS-LX56P)
3-758-285-61	MANUAL, INSTRUCTION(AEP)	* 4-947-533-11	SNOW BOX (R)(PS-LX56P)
	(DANISH , FINNISH)	* 4-963-173-02	CUSHION(HCD)
3-758-285-71	MANUAL, INSTRUCTION(E,AU,PX)	* 4-964-536-11	CUSHION(SS-D290/D555)
	(ENGLISH , FRENCH , SPANISH , CHINESE)		
3-758-285-81	MANUAL, INSTRUCTION (MX)		
	(SPANISH)		

#### NOTE :

● Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

## COMPACT HI-FI STEREO SYSTEM

# SONY®



9-959-359-11

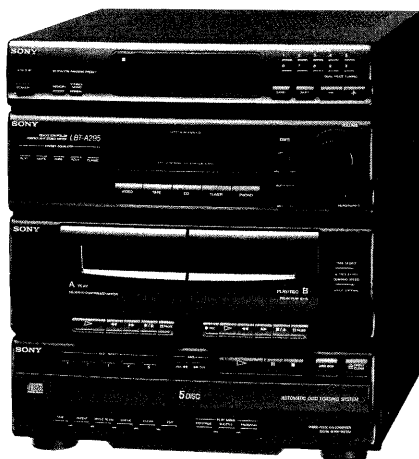
Sony Corporation  
Audio Group

English  
94A04101-1D  
Printed in Japan  
© 1994.1

Published by Audio Sector Quality Assurance Dept.

# HCD-A295/D550

## SERVICE MANUAL



HCD-A295 and HCD-D550 is the tuner, deck, CD and amplifier section in LBT-A295 and LBT-D550 respectively.

Photo : HCD-A295

*US Model*  
HCD-D550  
*Canadian Model*  
*AEP Model*  
*UK Model*  
*E Model*  
*Australian Model*  
*PX Model*  
HCD-A295

### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS (US model)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION :

With 8-ohm loads, both channels driven, from 70—20,000Hz ; rated 100 watts per channel minimum RMS power, with less than 0.9% total harmonic distortion from 250 milliwatts to rated output.

#### Amplifier

Continuous RMS power output  
10W+10W (6 ohms, at 1kHz,  
5% THD)

Input	Jack type	Sensitivity	Impedance
VIDEO	Phono	300 mV	47 kilohms
PHONO	Phono	3 mV	47 kilohms

Output	Jack type	Impedance
SURROUND SPEAKER (Except US, CND)	Phono	Accepts speakers of 8—16 ohms
HEADPHONES	Stereophone	Accepts headphones of 8 ohms or more

Frequency response 15Hz to 50kHz  $\pm 3$  dB

#### Tuner

System FM stereo  
FM/AM superheterodyne tuner

CD Section	Model Name Using Similar Mechanism	CDP-411/511/D7
	CD Mechanism Name	CDM14-5BD13
	Base Unit Name	BU-5BD13
DECK Section	Model Name Using Similar Mechanism	HTC-D159
	Tape Transport Mechanism Type	TCM-180VW-H11

#### FM tuner section

Tuning range 87.5 to 108MHz  
Antenna 300 ohms balanced  
75 ohms unbalanced

Intermediate frequency 10.7MHz

#### AM tuner section

Tuning range AM : 530 to 1,710kHz (US, CND)  
MW : 531 to 1,602kHz  
(Except US, CND, IT)  
MW : 522 to 1,611kHz (IT)  
LW : 153 to 279kHz (AEP, UK)

Antenna AM loop antenna  
External antenna terminal

Intermediate frequency 450kHz

#### Cassette deck

Recording system 4-track 2-channel stereo  
Frequency response DOLBY NR OFF  
(Except E, AUS, MX, PX)  
With Type II cassette (Sony UX-S)  
40Hz to 14kHz ( $\pm 3$ dB)  
With Type I cassette (Sony HF-S)  
40Hz to 13kHz ( $\pm 3$ dB)

Wow and flutter 0.1% (WRMS) (D550)  
W. PEAK  $\pm 0.2\%$  (DIN) (A295)

—continued on next page—

COMPACT DISC DECK RECEIVER  
**SONY**



### Compact disc player

Laser	Semiconductor laser
Wavelength	780—790nm
Frequency response	2Hz to 20kHz $\pm 0.5$ dB (A295) 2Hz to 20kHz $\pm 1$ dB (D550)
Signal-to-noise ratio	More than 93dB
Dynamic range	More than 90dB
Harmonic distortion	Less than 0.008% (1kHz) (A295) Less than 0.01% (1kHz) (D550)
Channel separation	More than 90dB (1kHz)

### General

Power requirements	120V AC, 60Hz (US, CND) 220—230V AC, 50/60Hz (AEP, G, IT) 240V AC, 50Hz (UK) 110—120V/220—240V AC, 50/60Hz (E, PX) 240V AC, 50/60Hz (AUS) 120V AC, 50/60Hz (MX)
Power consumption	105W (A295) 180W (D550)
Mass	Approx. 10.9kg (24 lb 5 oz) (A295) Approx. 12kg (26 lb 8 oz) (D550)
Dimensions	Approx. 355 $\times$ 395 $\times$ 405mm (14 $\times$ 15 $\frac{5}{8}$ $\times$ 16 inches) (w/h/d, including projections)

### Supplied accessories

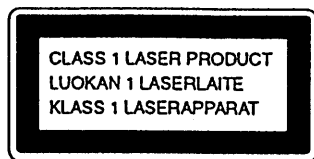
Remote commander RM-S221	(1)
Batteries Sony SUM-3 (NS)	(2)
FM wire antenna	(1)
AM loop antenna	(1)
45-rpm adaptor	(1) (AEP2, UK, G: Supplied with the turntable)

Design and specifications are subject to change without notice.

### • Abbreviations

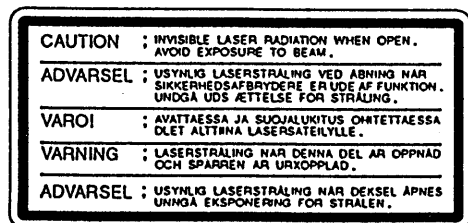
CND	: Canadian model
G	: German model
IT	: Italian model
MX	: Mexican model
AUS	: Australian model

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.



Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

The following caution label is located inside the unit.



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.  
"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

## SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

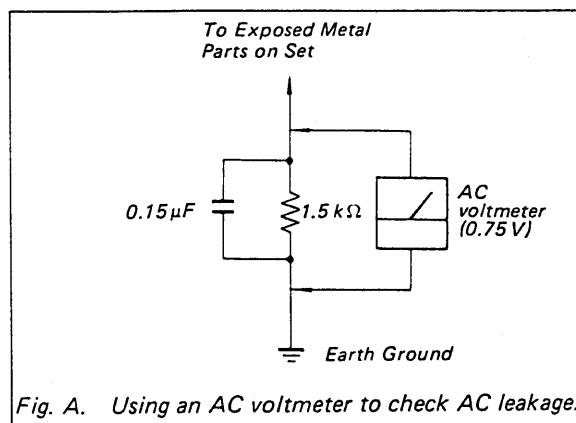


Fig. A. Using an AC voltmeter to check AC leakage.

### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

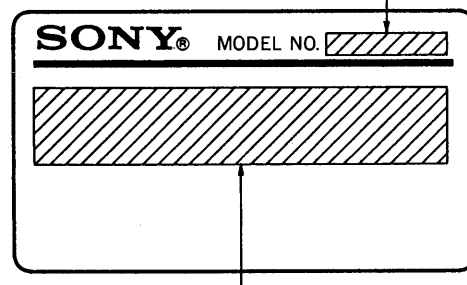
### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

### MODEL IDENTIFICATION

—Label Model Number—

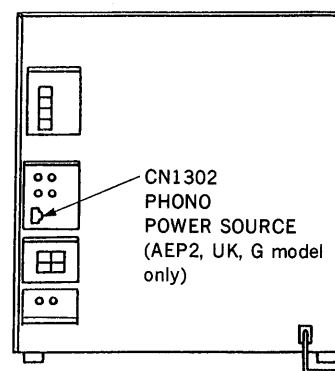
Canadian, AEP, G, IT, UK, E, MX, PX, AUS model: HCD-A295  
US model: HCD-D550



US model	: COMPACT DISC DECK RECEIVER AC: 120V 60Hz 180W
Canadian model	: COMPACT DISC DECK RECEIVER AC: 120V 60Hz 105W
AEP, Italian model	: COMPACT DISC DECK RECEIVER AC: 220—230V~50/60Hz 105W
German model	: COMPACT HIFI STEREO SYSTEM COMPACT DISC DECK RECEVIER HCD-A295 STEREO TURNTABLE SYSTEM PS-LX56P AC: 220—230V~50/60Hz 105W
UK model	: COMPACT DISC DECK RECEIVER AC: 240V~50Hz
E, PX model	: COMPACT DISC DECK RECEIVER AC: 110—120V/220—240V~50/60Hz 105W
Australian model	: COMPACT DISC DECK RECEIVER AC: 240V~50/60Hz 105W
Mexican model	: COMPACT DISC DECK RECEIVER AC: 120V~50/60Hz 105W

#### • Abbreviations

AEP2: AEP unit with PHONO POWER SOURCE





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## Location of Controls

Refer to the pages indicated in parentheses for details.

### Tuner

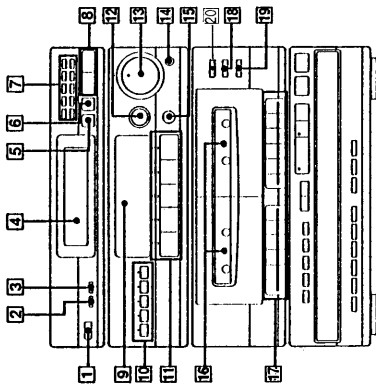
- 1 POWER switch (12)
- 2 MEMORY button (20)
- 3 STEREO/MONO button (16)
- 4 Display window
- 5 BAND button (16)
- 6 SHIFT button (20)
- 7 PRESET STATIONS numeric buttons (20)
- 8 DUAL MODE TUNING +/- buttons (16, 18, 20)

### Amplifier

- 9 SPECTRUM ANALYZER display (14)
- 10 PRESET EQUALIZER buttons and indicators (14)
- 11 Function selectors and indicators
- 12 DBF (dynamic bass feedback) control (14)
- 13 VOLUME control (14)
- 14 HEADPHONES jack (14)
- 15 SURROUND control (14)

### Cassette Deck

- 16 Cassette holders
- 17 Tape operation buttons (22)
- Leftward fast winding
- Rightward fast winding
- Forward play
- Stop/Eject
- PAUSE/Pause
- REC/Record
- TAPE SELECT button (22, 24, 28)
- DUBBING SPEED (HIGH/NORMAL) button (28)
- 20 DOLBY NR (noise reduction) (ON/OFF) switch (Except E, AUS, MX, PX)



### Compact Disc Player

- 20 DISC SELECT 1-5 button (30, 34, 36, 38, 40)
- 21 Disc Tray
- 22 TIME button (32)
- 23 REPEAT button (46)
- 24 MUSIC SCAN button (44)
- 25 CHECK (program check) button (40)
- 26 CLEAR (program clear) button (40)
- 27 EDIT button (48)
- 28 PLAY MODE buttons
- CONTINUE button (36, 40, 50)
- SHUFFLE button (36)
- PROGRAM button (38, 42)
- 29 Leftward/Rightward (AMS\*) buttons (34)
- 30 (play) button and indicator (30)
- 31 (pause) button and indicator (30)
- 32 DISC SKIP button (30, 34)
- 33 OPEN/CLOSE button (30)
- 34 (stop) button (30)

\* AMS is the abbreviation of Automatic Music Sensor.

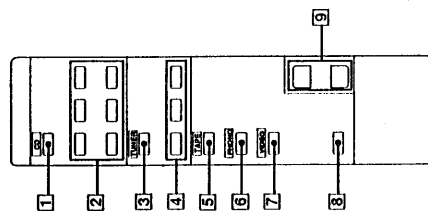
### Remote Commander RM-SZ21

- 1 CD function button
- 2 CD operation buttons
- DISC SKIP button, Leftward/Rightward (AMS\*) buttons, (play) button, (pause) button, (stop) button
- 3 TUNER function button
- 4 Tuner operation buttons
- SHIFT button
- PRESET +/- buttons
- These buttons are used to select the preset station number.
- 5 TAPE function button
- 6 PHONO function button
- 7 VIDEO function button
- 8 SELECT 5 button
- Each time the button is pressed, the preset equalization switches among 5 preset patterns (PLAY, DANCE, POPS, ROCK and CLASSIC).
- 9 VOL (volume) +/- buttons

\* AMS is the abbreviation of Automatic Music Sensor.

## SECTION 1 GENERAL

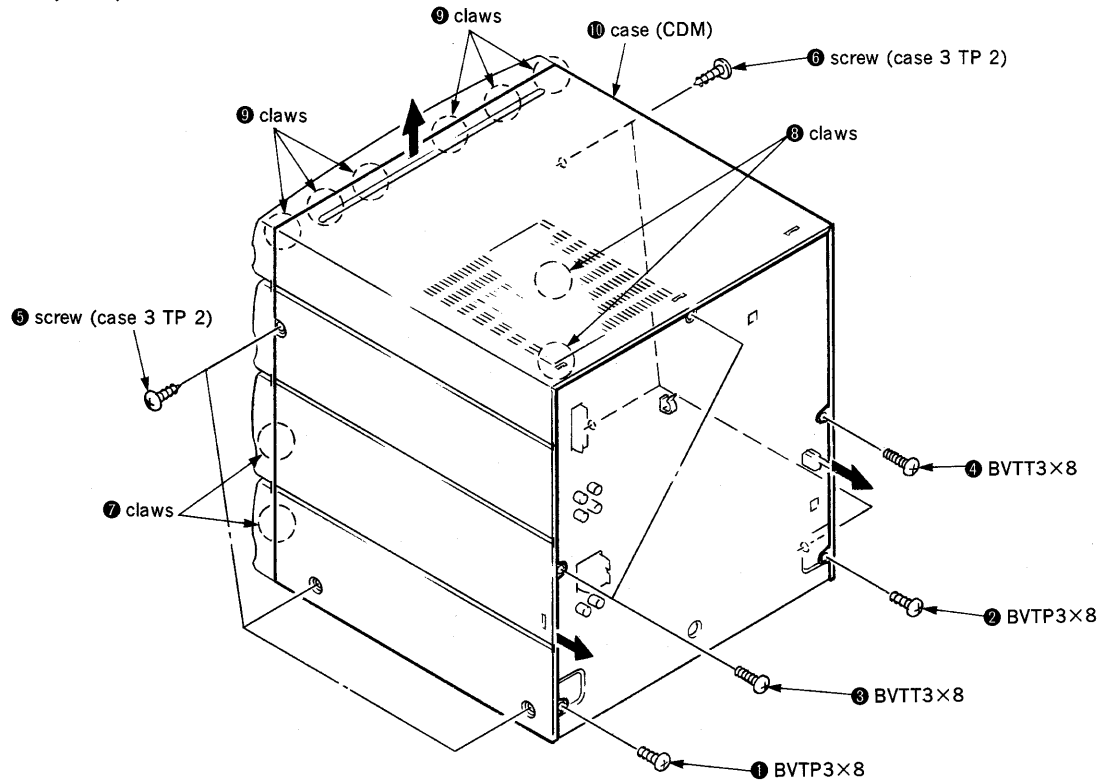
This section is extracted from instruction manual.



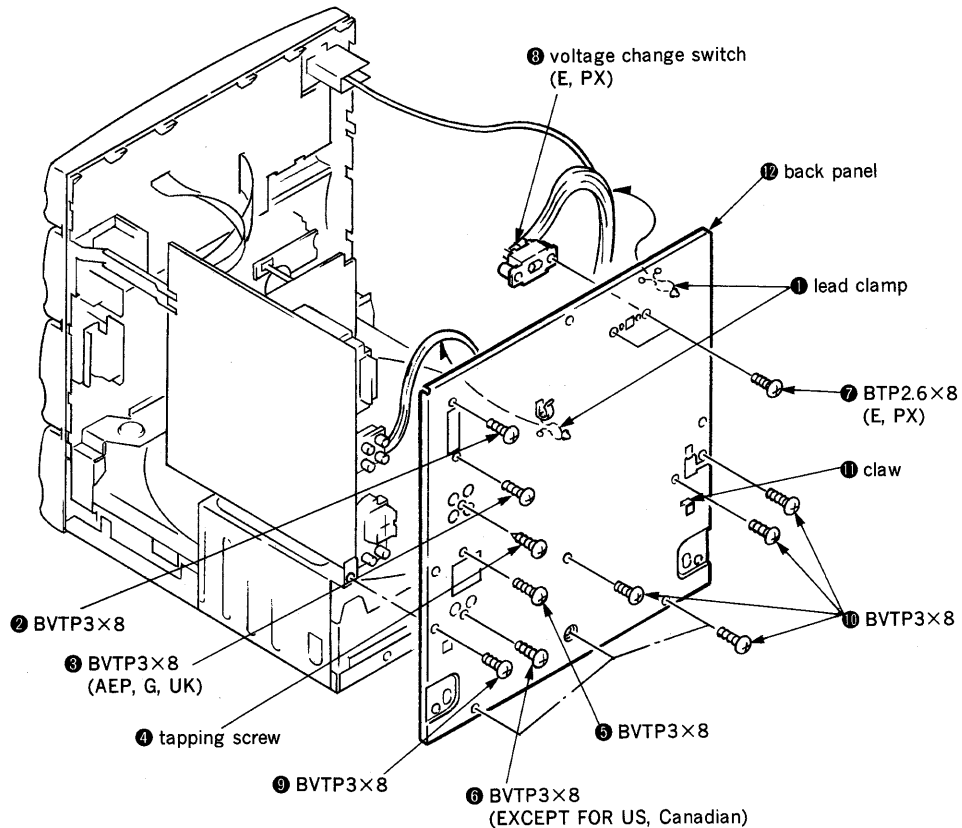
## SECTION 2 DISASSEMBLY

**Note :** Follow the disassembly procedure in the numerical order given.

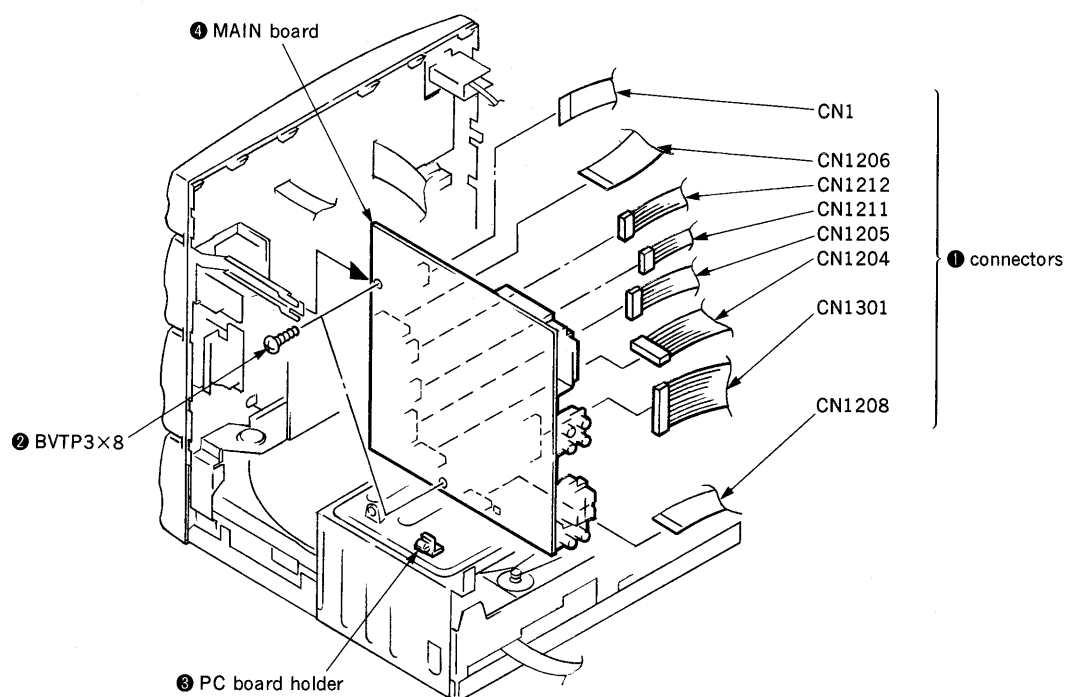
### 2-1. CASE (CDM)



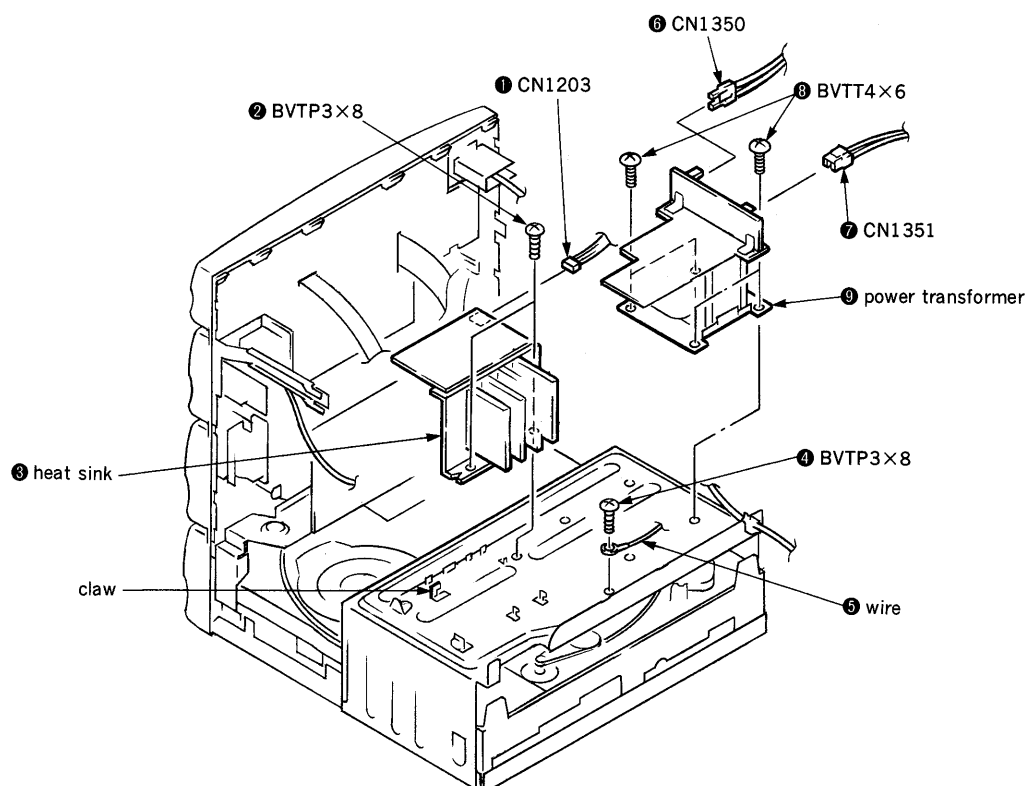
### 2-2. BACK PANEL



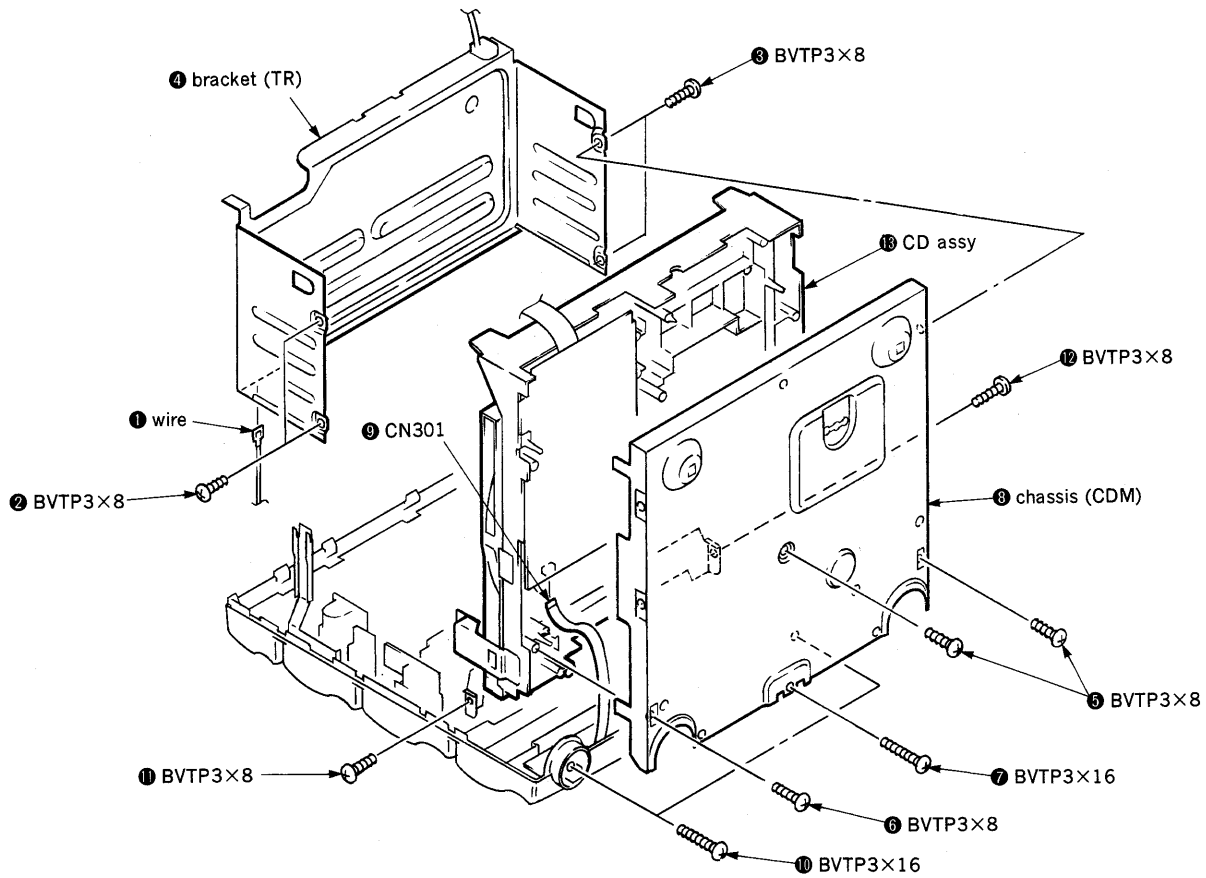
## 2-3. MAIN BOARD



## 2-4. POWER TRANSFORMER

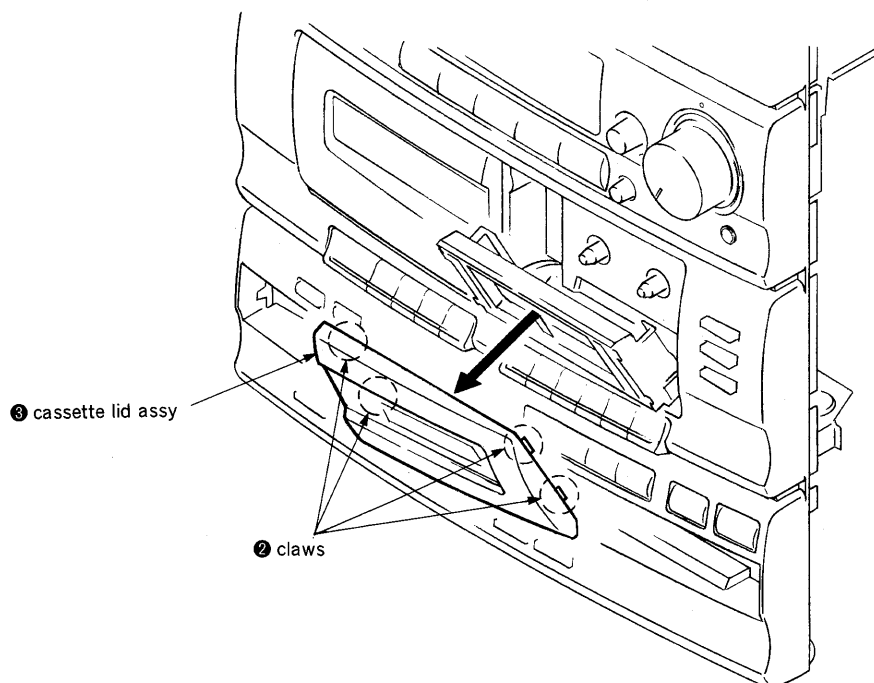


## 2-5. CD ASSY



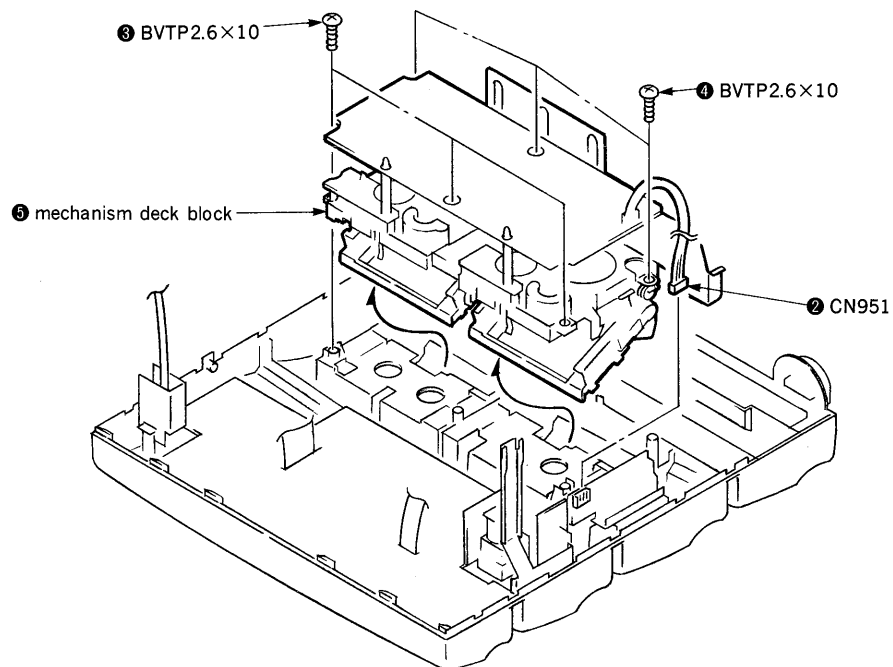
## 2-6. CASSETTE LID ASSY

- ① Push the EJECT button.

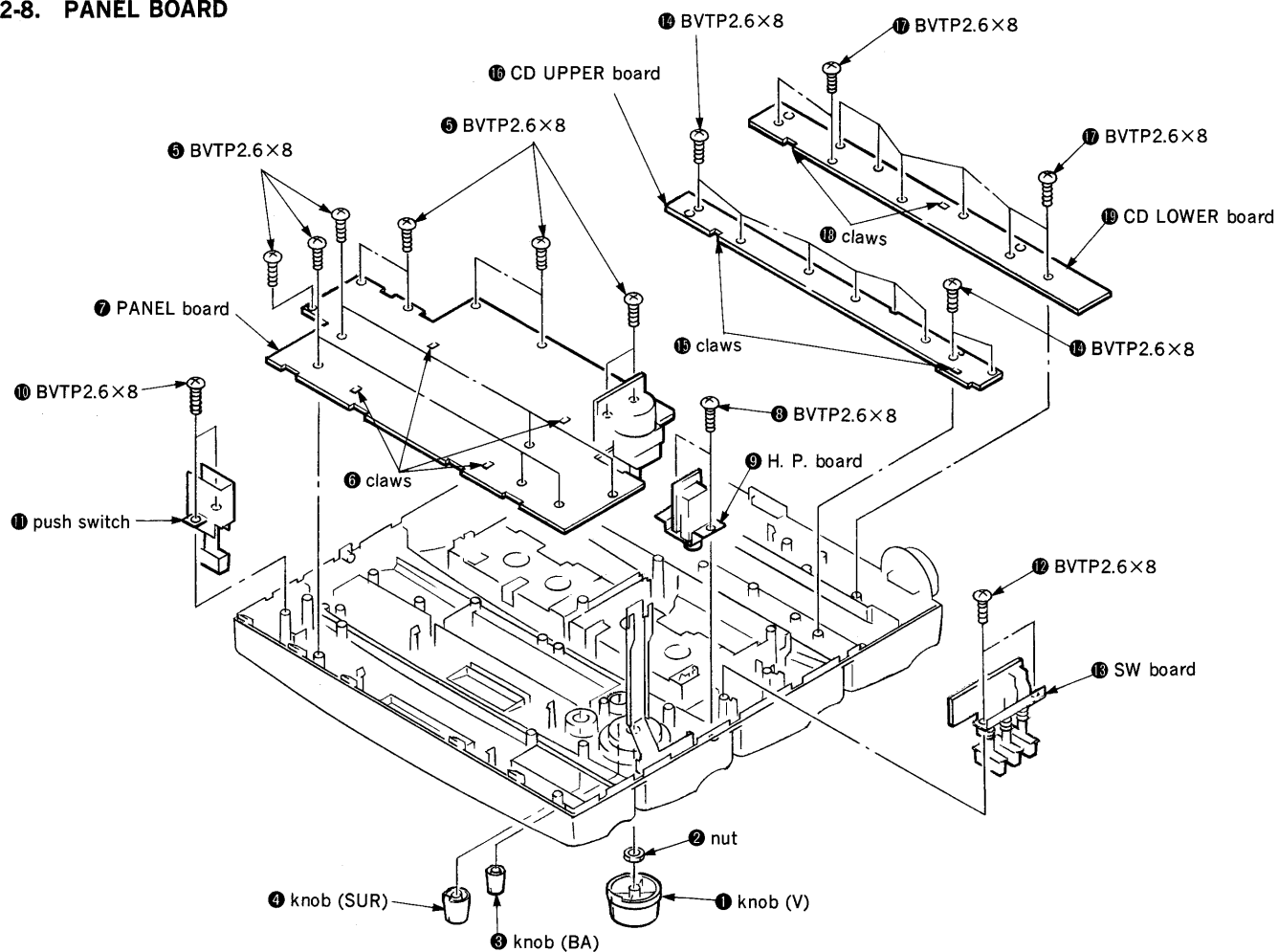


## 2-7. MECHANISM DECK BLOCK

① Push the EJECT button.

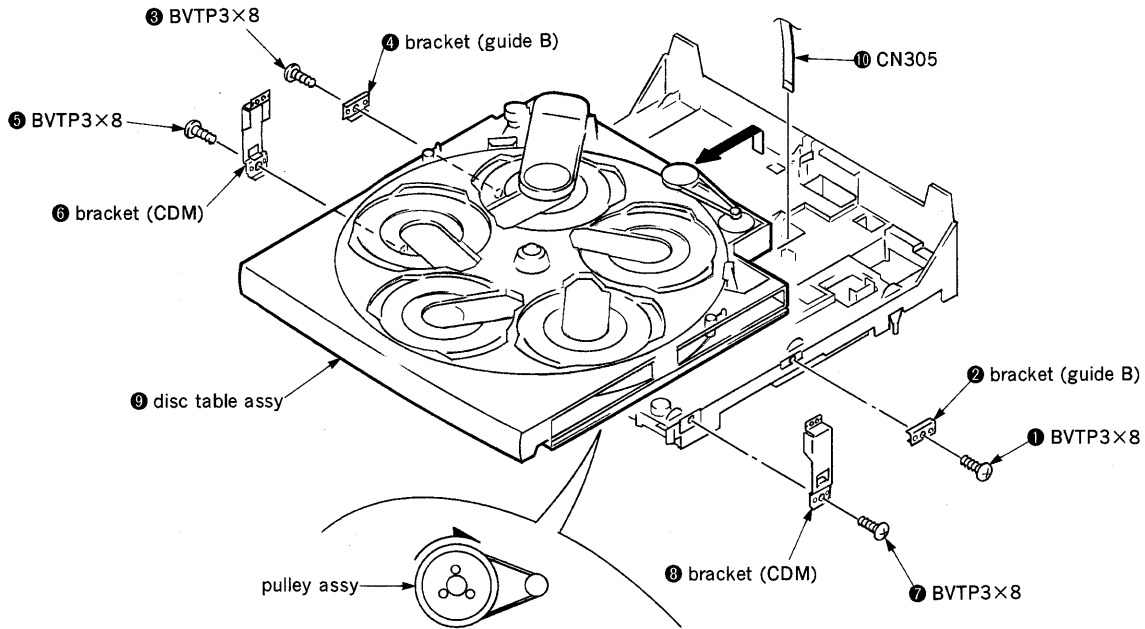


## 2-8. PANEL BOARD



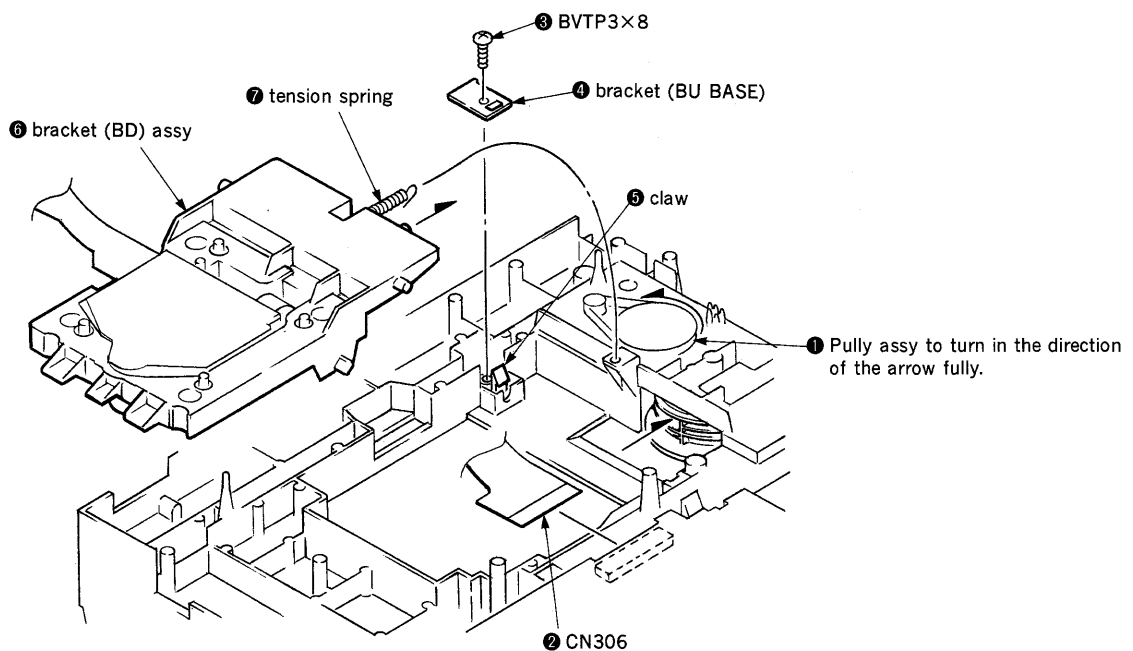
## 2-9. DISC TABLE ASSY

**Note on assembly :** Turn the pulley assy in the direction of the arrow.  
Down the bracket (BD) assy, and assemble the disc table assy.



## 2-10. BRACKET (BD) ASSY

**Note on assembly :** Set to the arrow portion of gear (loading A) for shaft (CAM).



## SECTION 3 MECHANICAL ADJUSTMENTS

### PRECAUTION

- Clean the following parts with a denatured alcohol-moistened swab :
 

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
- Demagnetize the record/playback head with a head demagnetizer.
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.

### Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	30—70g•cm (0.42—0.97oz•inch)
FWD Back tension	CQ-102C	1.5—5.5g•cm (0.020—0.076oz•inch)
FF/REW	CQ-201B	63g•cm or more (0.87oz•inch or more)

## SECTION 4 ELECTRICAL ADJUSTMENTS

### DECK SECTION

0dB=0.775V

- Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
- Do not use a magnetized screwdriver for the adjustments.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustments should be performed with the rated power supply voltage unless otherwise noted.
- The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
- The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

TAPE SELECT switch : TYPE I

DOLBY NR switch : OFF (Except for E, Australian, Mexican, PX)

Type	Signal	Used for
P-4-A100	10kHz, -10dB	Azimuth Adjustment
WS-48B	3kHz, 0dB	Tape Speed Adjustment
P-4-L300	315Hz, 0dB	Level Adjustment

### Record/Playback Head Azimuth Adjustment

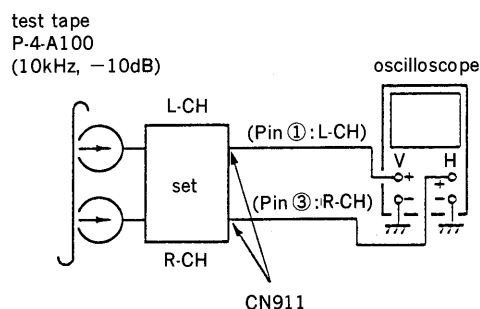
#### DECK A

#### DECK B

**Note :** Perform this adjustments for both decks.

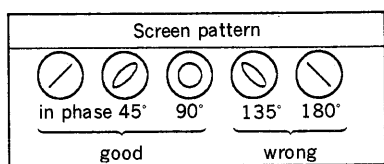
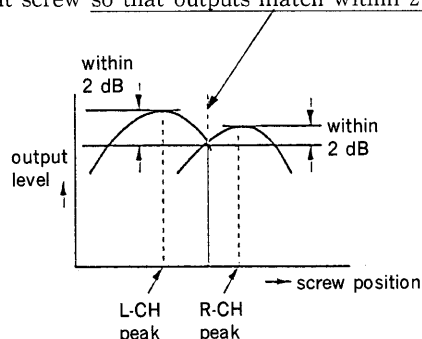
#### Procedure :

- Mode : Playback



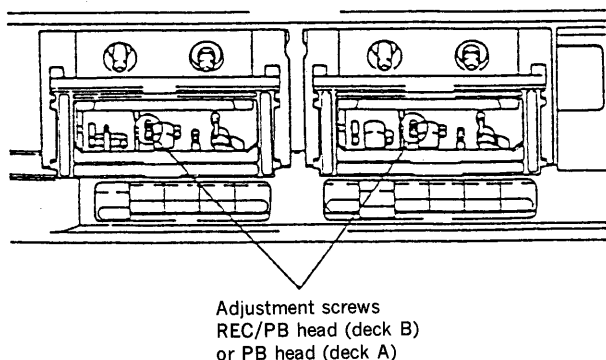


- Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 2 dB of peak.



- After the adjustments, apply suitable locking compound to the parts adjusted.

**Adjustment Location :**

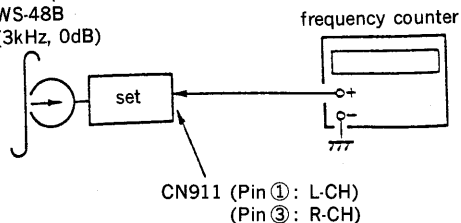


## Tape Speed Adjustment **DECK A** **DECK B**

**Procedure :**

Mode: Playback

test tape  
WS-48B  
(3kHz, 0dB)



High speed adjustment (Must be first Adjustment deck B)

- Short pin CN912 on set "DUBBING SPEED" switch to "HIGH". Then at HIGH speed mode.
- Adjust RV901 so that the frequency counter reads  $6,000 \pm 20\text{Hz}$ .

Normal speed adjustment

- Remove the short pin from CN912 on set "DUBBING SPEED" switch to "NORMAL". Then at NORMAL speed mode.
- Adjust RV902 so that the frequency counter reads  $3,000 \pm 10\text{Hz}$ .

Frequency difference between deck A and deck B the beginning of the tape should be within  $\pm 1\%$ .

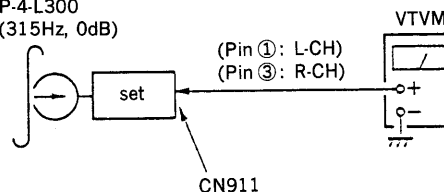
**Adjustment Location :** main TC board

## Playback Level Adjustment **DECK A** **DECK B**

**Procedure :**

Mode: Playback

test tape  
P-4-L300  
(315Hz, 0dB)



Deck A side RV701 (L-CH), RV801 (R-CH)

Deck B side RV702 (L-CH), RV802 (R-CH)

so that the limits below are satisfied.

**Adjustable limits :**

CN911 PB level: 366.7 to 411.4mV ( $-6.5$  to  $-5.5\text{dB}$ )

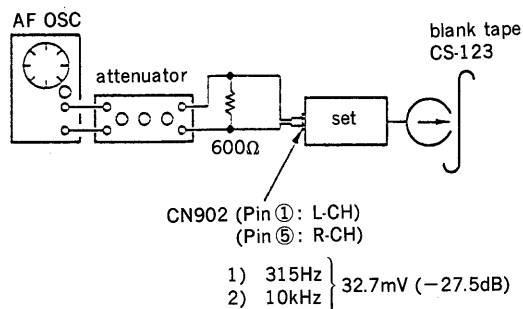
level difference between the channels: within  $\pm 1\text{dB}$

**Adjustment Location :** main TC board

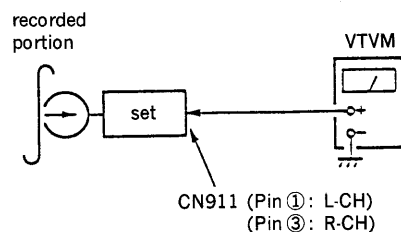
## Record Bias Current Adjustment **DECK B**

**Procedure :**

- Mode: record



- Mode: Playback



Confirm playback the signal recorded in step 1 become adjustable level as follows.

If these levels do not adjustable level, adjustment the RV704 (L-CH) and RV804 (R-CH) to repeat step 1 and 2.

**Adjustable level:** Playback output of 315Hz to playback output of 10kHz:  $0 \pm 0.5\text{dB}$

**Adjustment Location :** main TC board

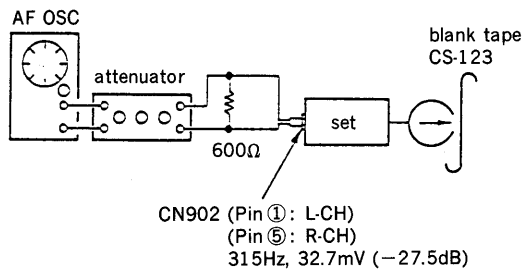
### Record Level Adjustment **DECK B**

**Setting :**

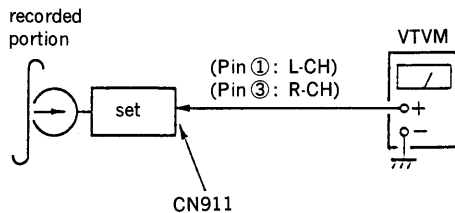
TAPE SELECT switch: TYPE I

**Procedure :**

1. Mode: record



2. Mode: playback



Confirm playback the signal recorded in step 1 become adjustable level as follows.

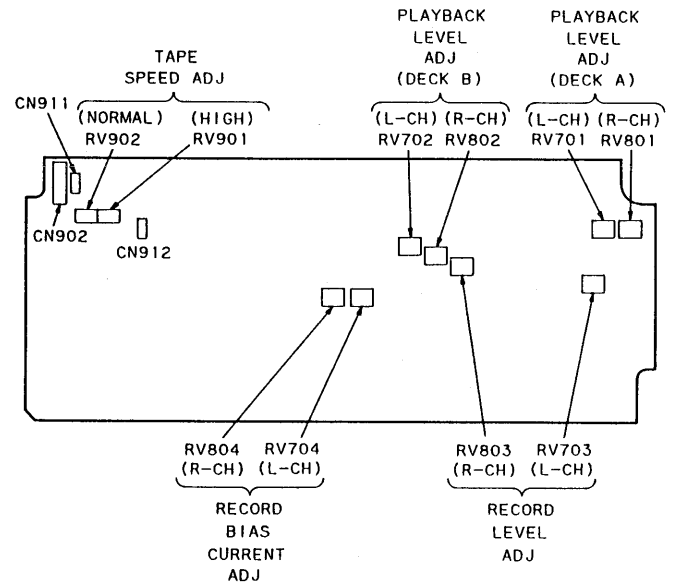
If these levels do not adjustable level, adjustment the RV703 (L-CH) and RV803 (R-CH) to repeat step 1 and 2.

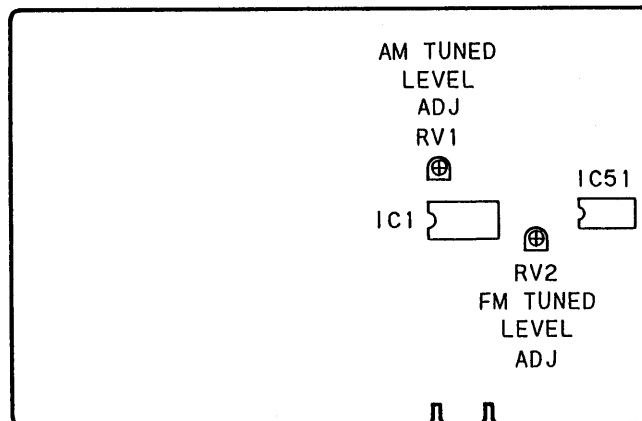
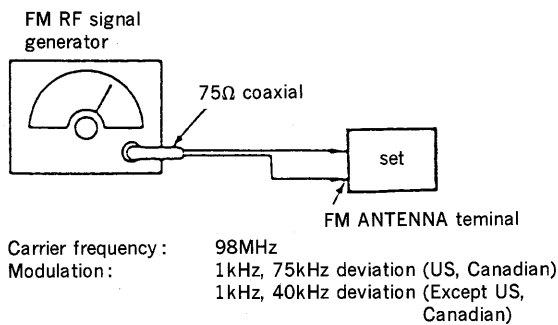
**Adjustable limits :**

CN911 PB level: 30.9 to 34.6mV ( $-28$  to  $-27\text{dB}$ )

**Adjustment Location :** main TC board

**Adjustment Location :** main TC board (component side)

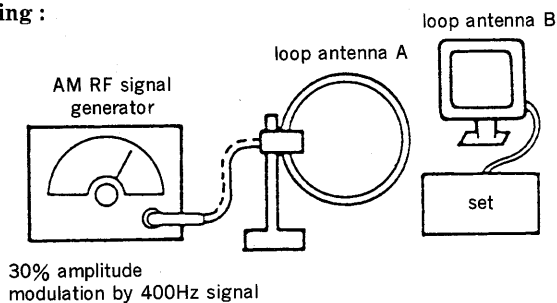


**TUNER SECTION****0dB = 1 $\mu$ V****Adjustment Location :** main board (component side)**• FM SECTION****Setting :****FM Tuned Level Adjustment**

Band : FM

**Procedure :**

1. Supply a 17.8 $\mu$ V (25dB $\mu$ ) 98MHz signal from the ANTENNA terminal.
2. Tune the set to 98MHz.
3. Adjust RV2 so that the TUNED indicator goes on.

**Adjustment Location :** main board**• AM SECTION****Setting :****AM (MW) Tuned Level Adjustment**

Band : AM or MW

**Procedure :**

1. Set loop antenna A so that the loop antenna B input level becomes 1.413mV (63dB $\mu$ ).
2. Tune the set to 1,050kHz (US, Canadian) or 999kHz (Except US, Canadian).
3. Adjust RV1 so that the TUNED indicator goes on.

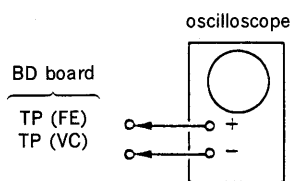
**Adjustment Location :** main board

## CD SECTION

### Note :

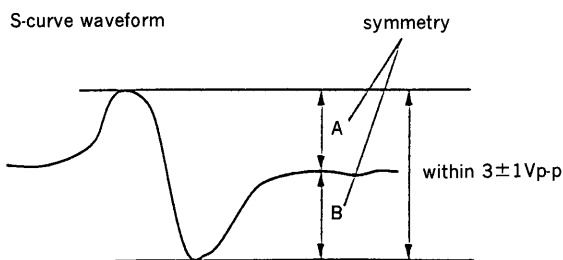
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than  $10M\Omega$  impedance.
4. Clean an objective lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

### S-Curve Check



### Procedure :

1. Connect oscilloscope to test point TP (FE) on BD board.
2. Connect between test point TP (FEI) and TP (VC) by lead wire.
3. Turned Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (Actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within  $3\pm 1V_{p-p}$ .

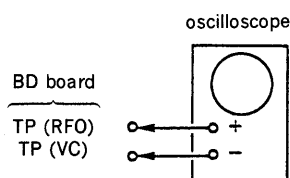


6. After check, remove the lead wire connected in step 2.

**Note :**

- Try to measure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
- Take sweep time as long as possible and light up the brightness to obtain best waveform.

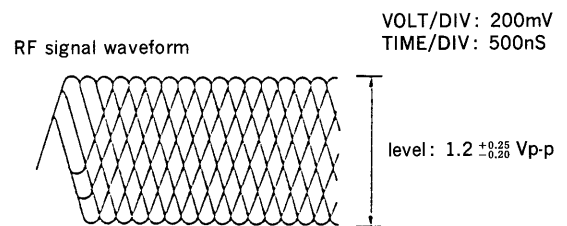
### RF Level Check



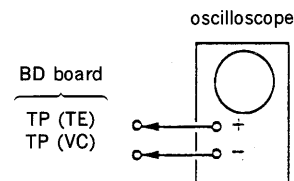
### Procedure :

1. Connect oscilloscope to test point TP (RFO) on BD board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

**Note :** Clear RF signal waveform means that the shape “◇” can be clearly distinguished at the center of the waveform.

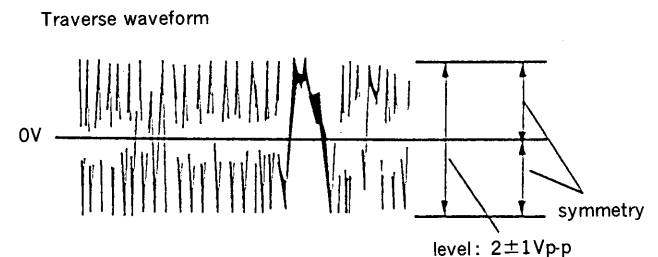


### E-F Balance Check



### Procedure :

1. Connect test point TP (ADJ) to ground and TP (TEI) to TP (VC) with lead wire.
2. Connect oscilloscope to test point TP (TE) on BD board.
3. Turned Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

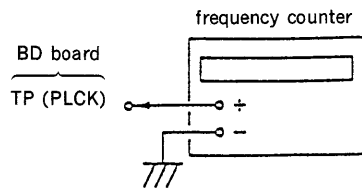


6. Remove the lead wire connected in step 1.

## RF PLL Free-run Frequency Check

### Procedure :

1. Connect frequency counter to test point (PLCK) with lead wire.

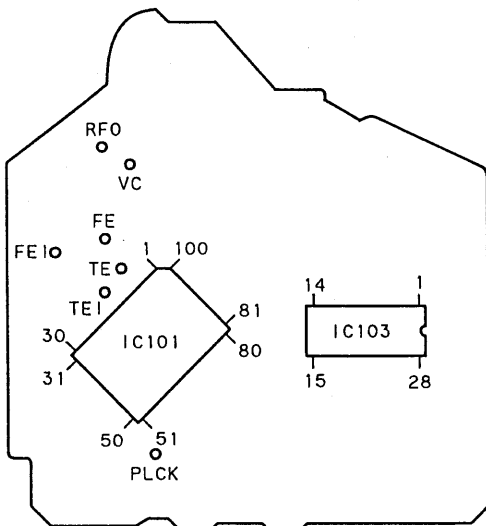


2. Turned Power switch on.
3. Confirm that reading on frequency counter is 4.3218MHz.

### Adjustment Location :

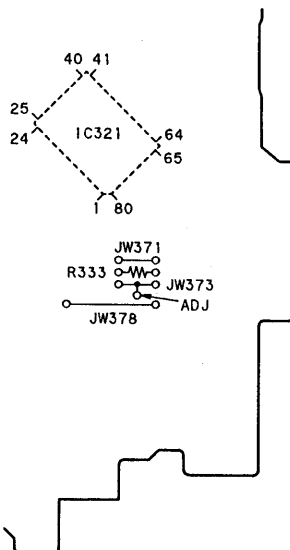
#### [BD BOARD]

—Side B—



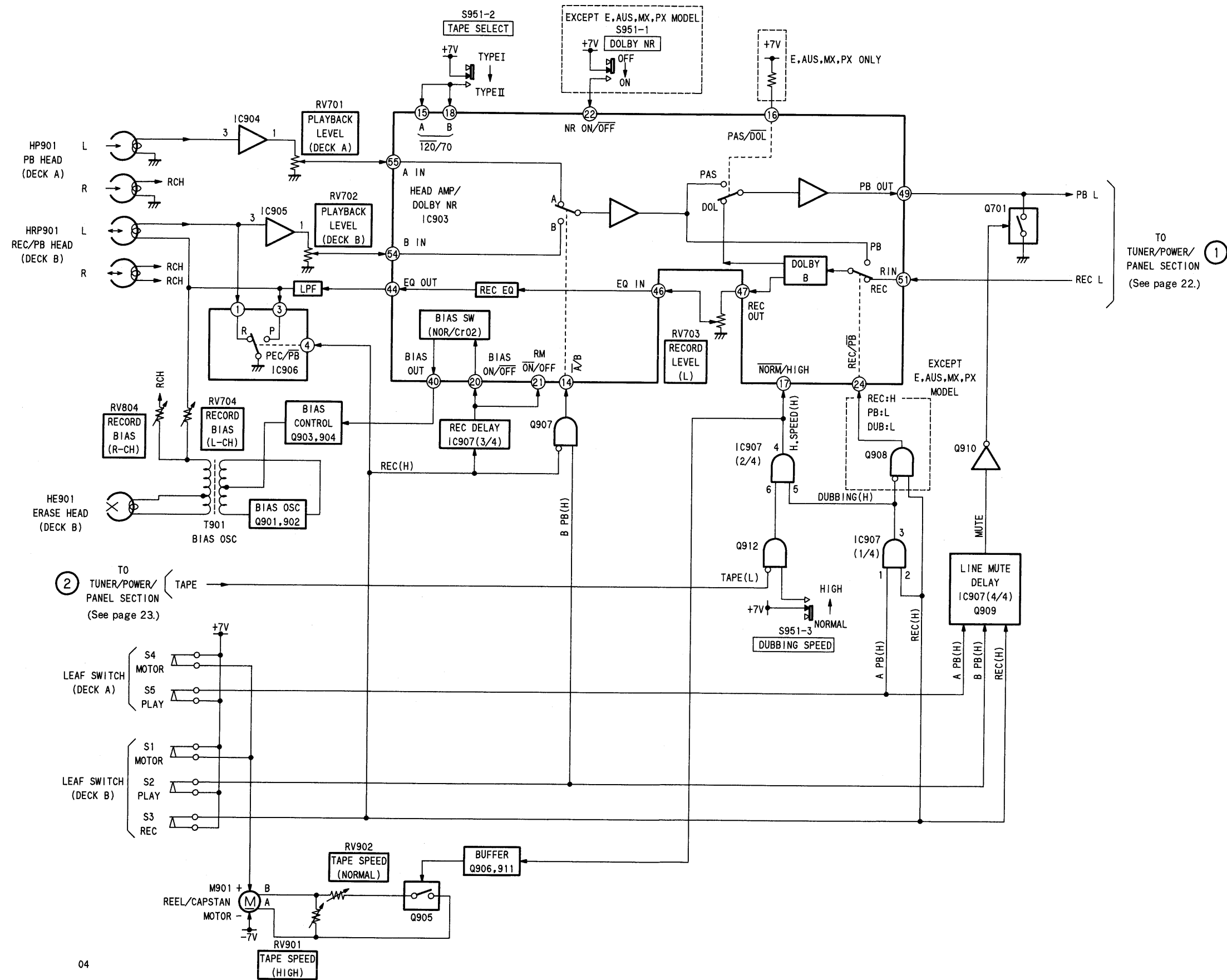
#### [CD MAIN BOARD]

—Component side—



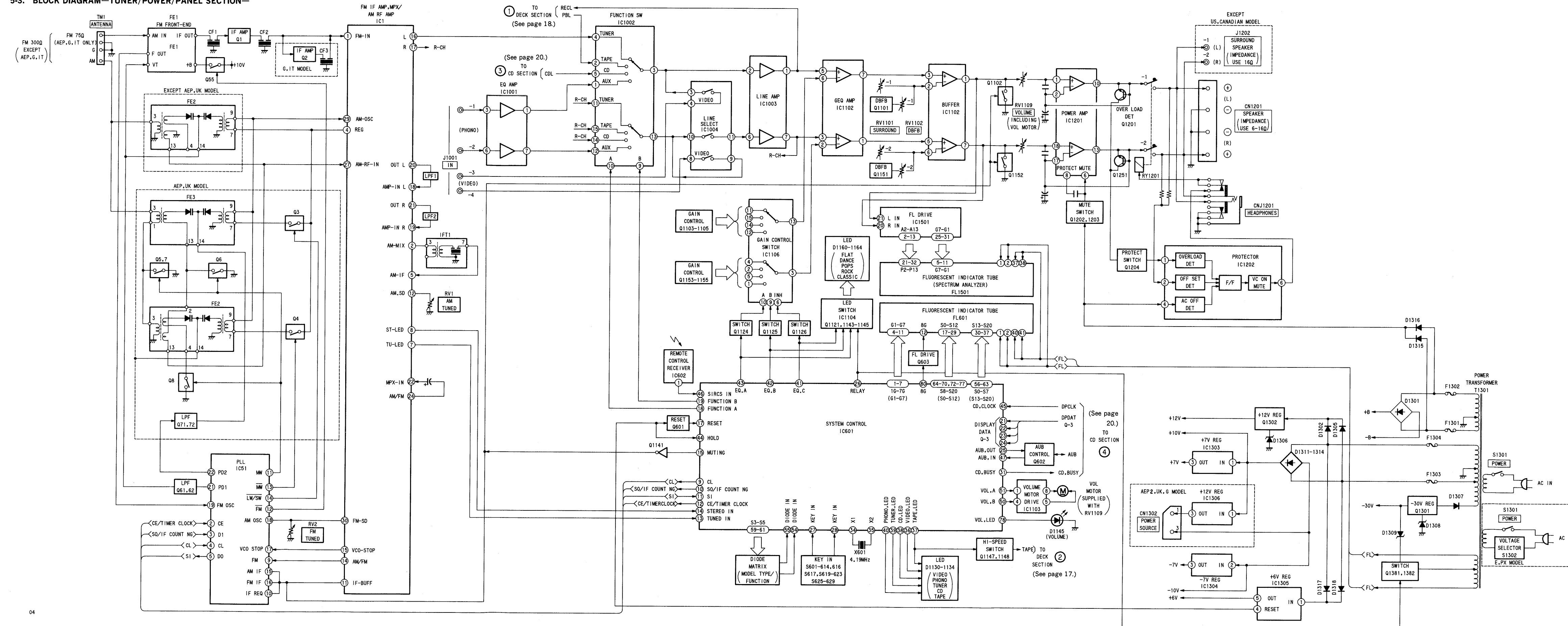
# SECTION 5 DIAGRAMS

## 5-1. BLOCK DIAGRAM—DECK SECTION—

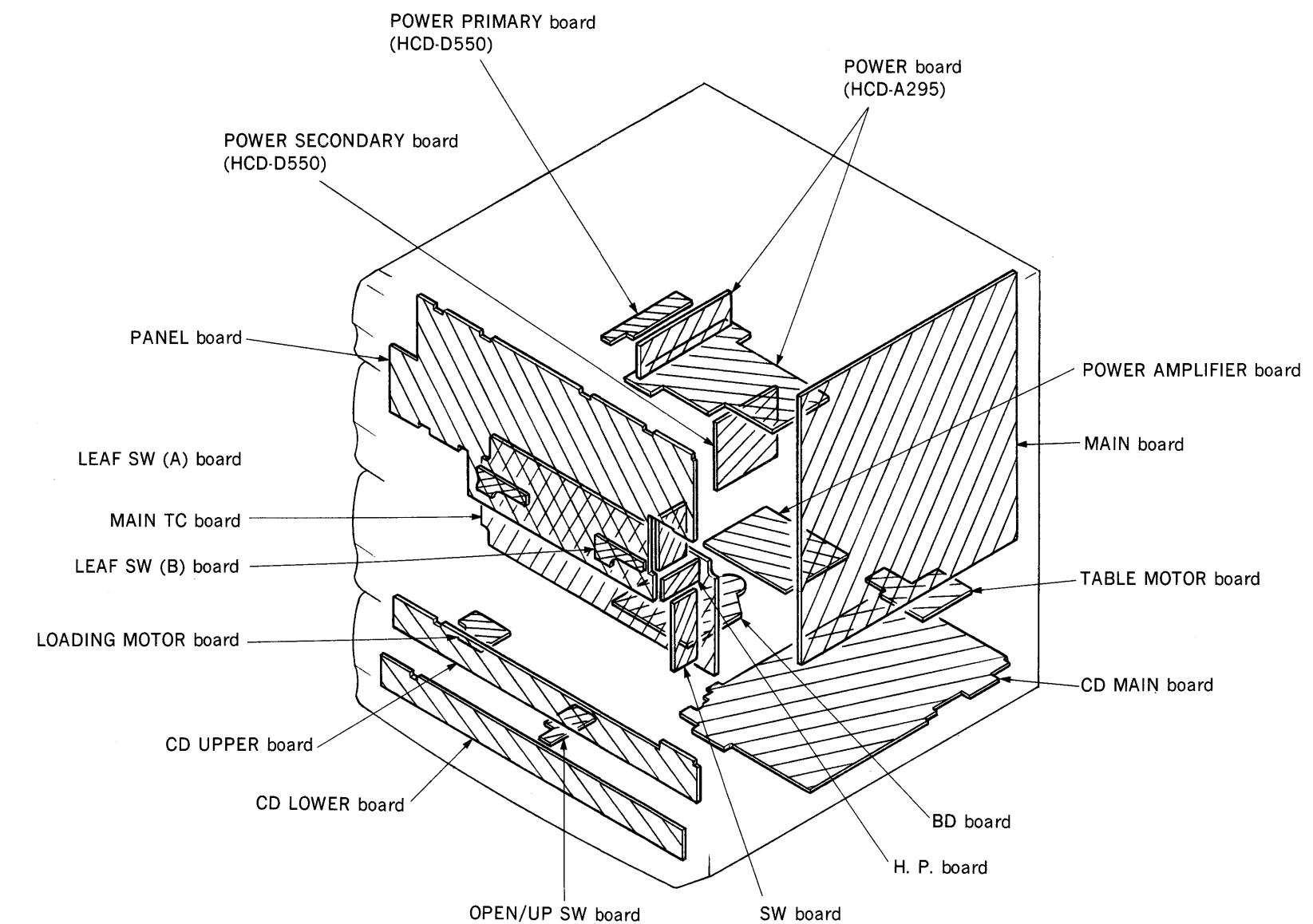




### 5-3. BLOCK DIAGRAM—TUNER/POWER/PANEL SECTION—



#### 5-4. CIRCUIT BOARDS LOCATION





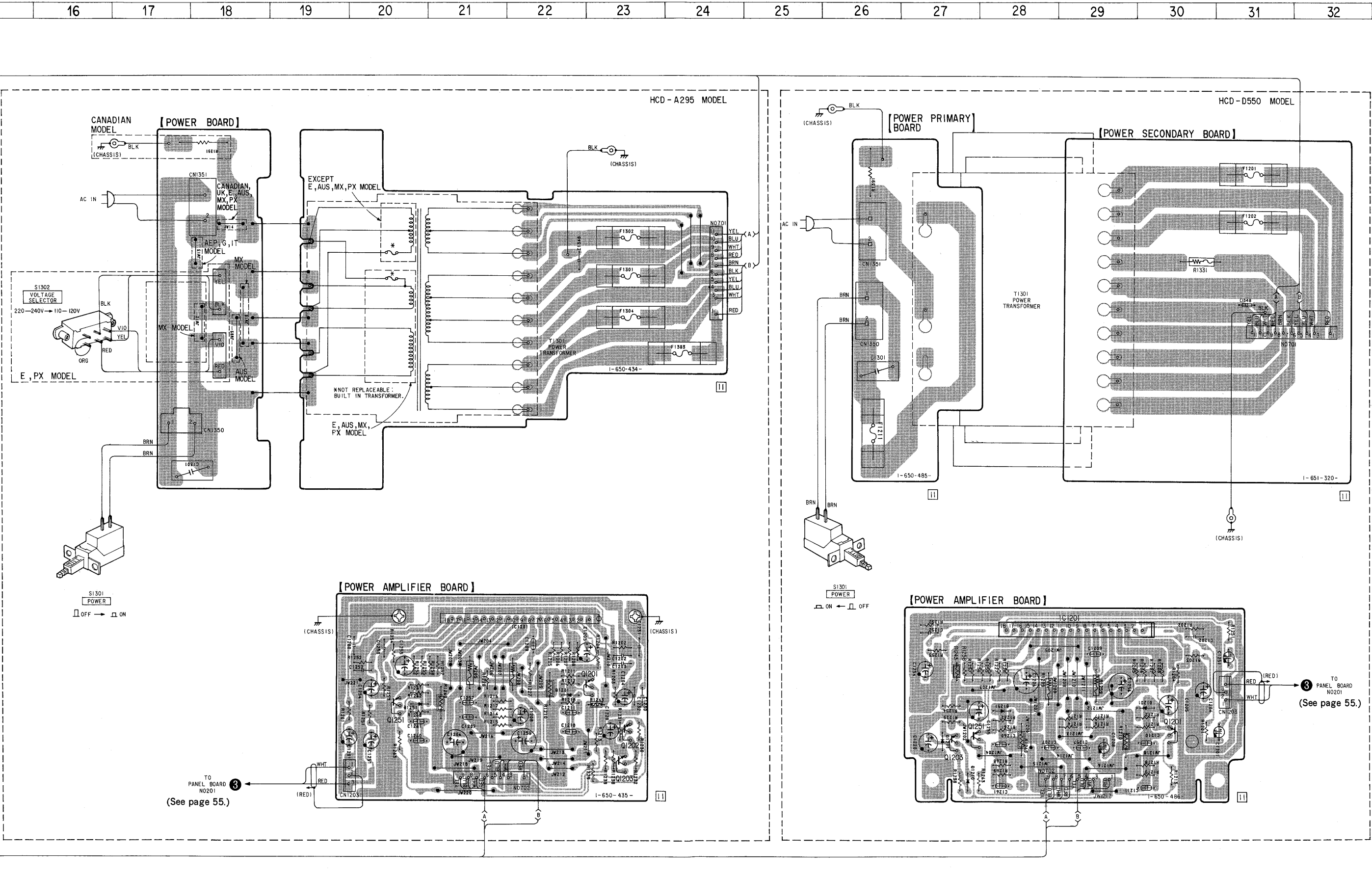
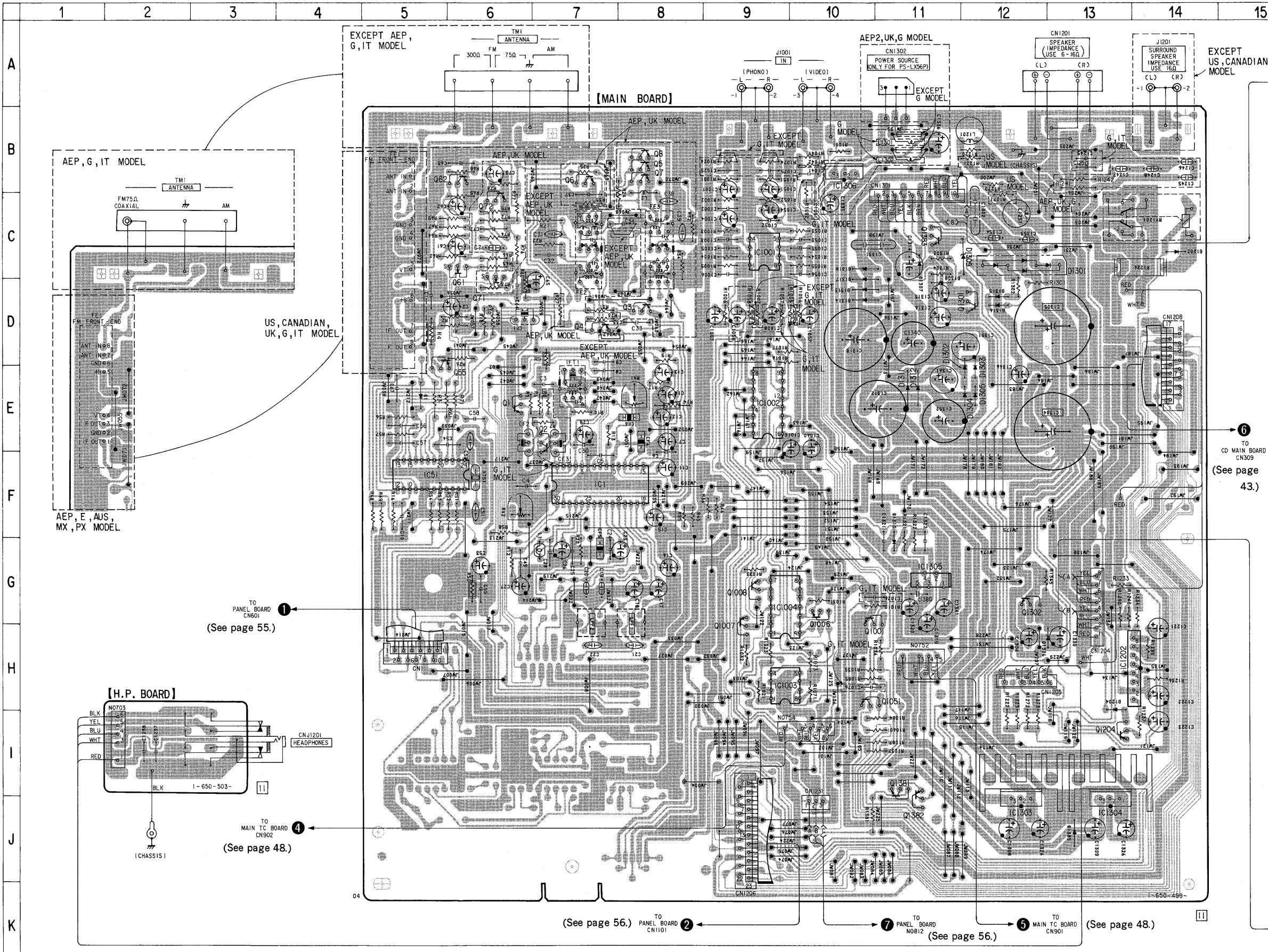
● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D1	E-5	IC1202	H-13
D1201	I-21	IC1303	J-12
D1202	C-14	IC1304	J-13
D1204	H-13	IC1305	G-11
D1210	J-27	IC1306	B-10
D1211	J-27		
D1251	I-20	Q1	E-6
D1301	C-12	Q2	E-7
D1302	E-12	Q3	D-8
D1303	E-12	Q4	D-7
D1304	E-12	Q5	B-8
D1305	E-12	Q6	B-7
D1306	H-12	Q7	B-8
D1307	C-11	Q8	B-8
D1308	D-11	Q55	D-5
D1309	D-11	Q61	C-6
D1310	F-11	Q62	B-6
D1311	E-11	Q71	D-6
D1312	E-11	Q72	C-6
D1313	D-10	Q1001	G-10
D1314	D-10	Q1006	G-10
D1315	C-12	Q1007	G-9
D1316	C-12	Q1008	G-9
D1317	D-10	Q1051	H-10
D1318	C-10	Q1201	I-22
D1385	J-13	Q1202	J-23
		Q1203	J-23
IC1	F-7	Q1204	I-13
IC51	F-5	Q1251	I-20
IC1001	C-9	Q1301	D-12
IC1002	E-9	Q1302	G-12
IC1003	H-9	Q1381	I-11
IC1004	G-9	Q1382	I-11
IC1201	H-21	Q1383	C-11

Note :

- : parts extracted from the component side.
- : indicates side identified with part number.
- : Pattern on the side which is seen.
- Abbreviations
- AEP2: AEP unit with PHONO POWER SOURCE
- IT : Italian model
- G : German model
- MX : Mexican model
- AUS : Australian model

5-5. PRINTED WIRING BOARDS—TUNER/POWER SECTION— ● Refer to page 45 for Semiconductor Lead Layouts.





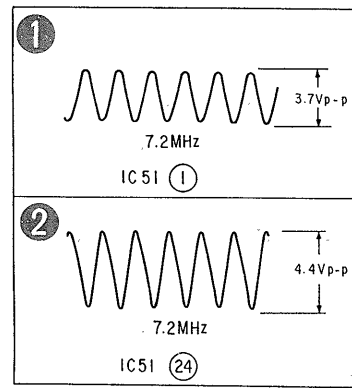


- Note :**
- All capacitors are in  $\mu F$  unless otherwise noted.  $pF$  :  $\mu F$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
  - $\Delta$  : internal component.

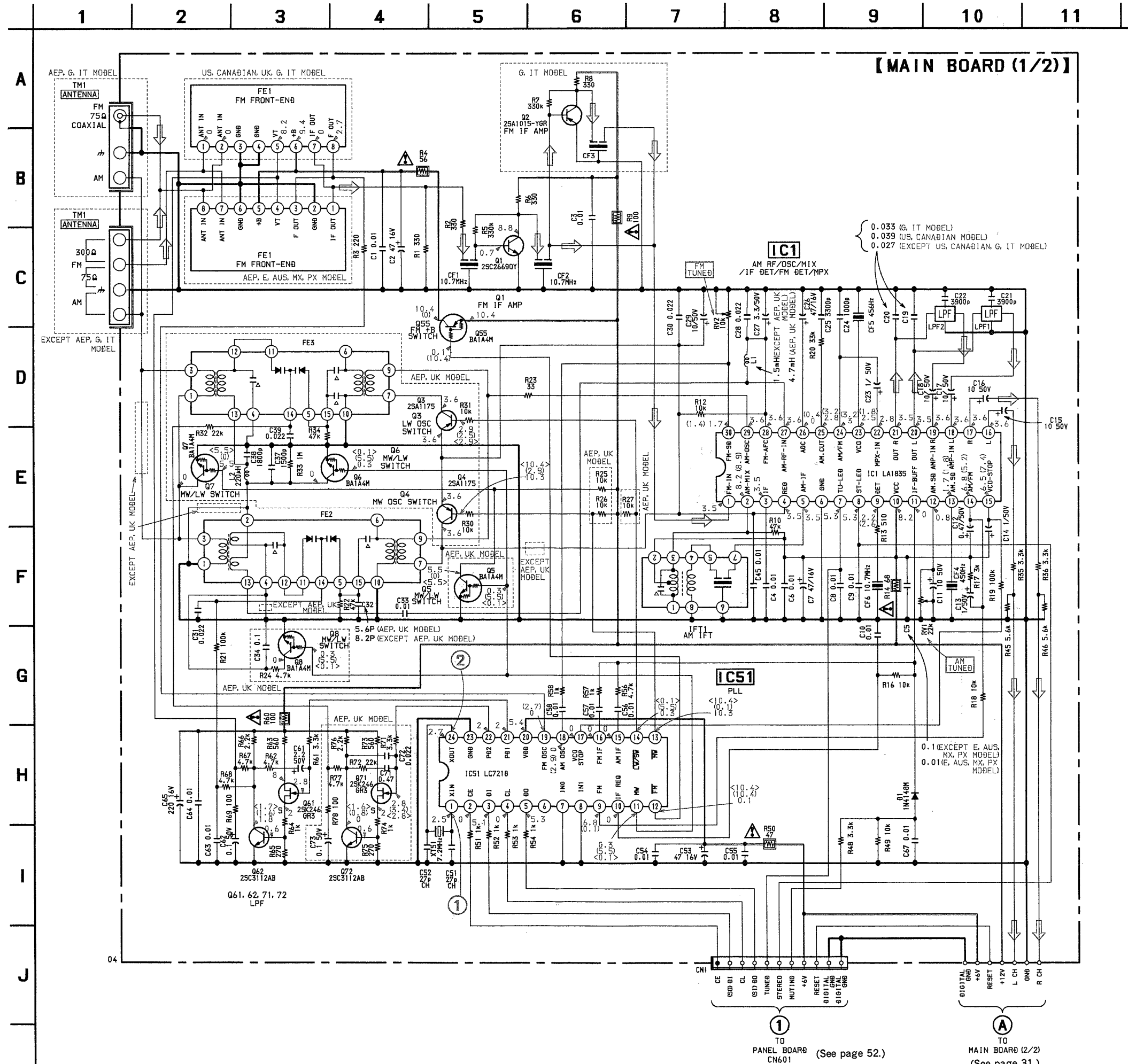
**Note :**  
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note :**  
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

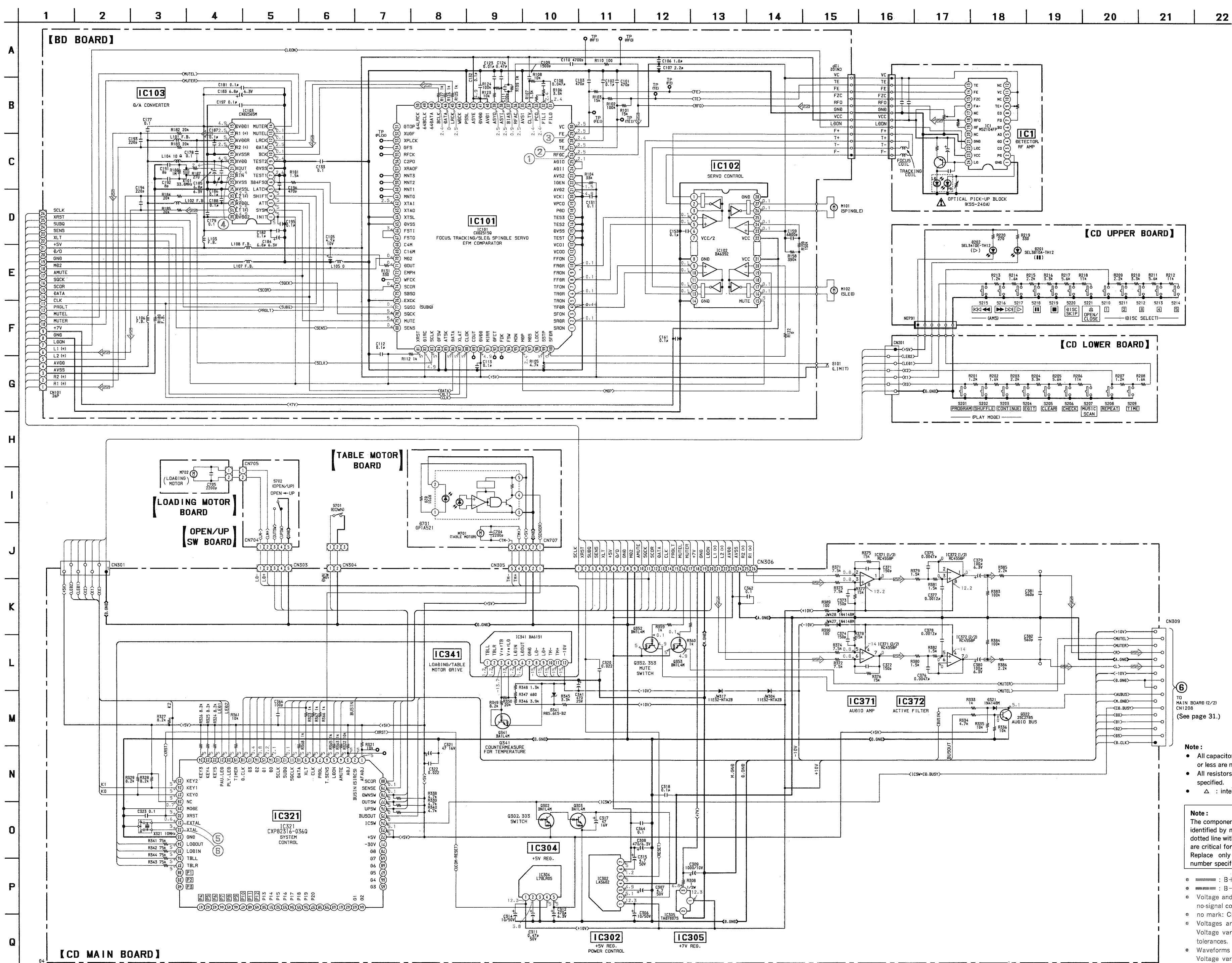
• Waveforms



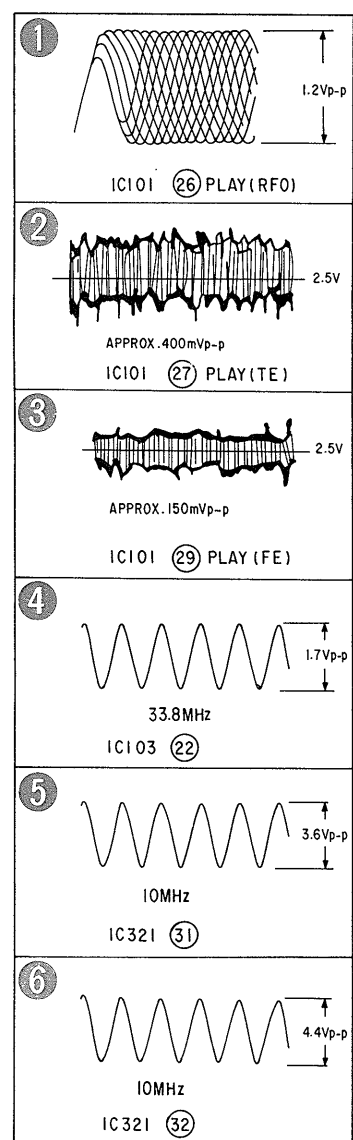
5-7. SCHEMATIC DIAGRAM—TUNER SECTION— • Refer to page 58 for IC Block Diagrams.



5-8. SCHEMATIC DIAGRAM—CD SECTION— • Refer to page 58 for IC Block Diagrams.



• Waveforms



- Note :**
- All capacitors are in  $\mu F$  unless otherwise noted.  $pF$  :  $\mu F$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
  - $\Delta$  : internal component.

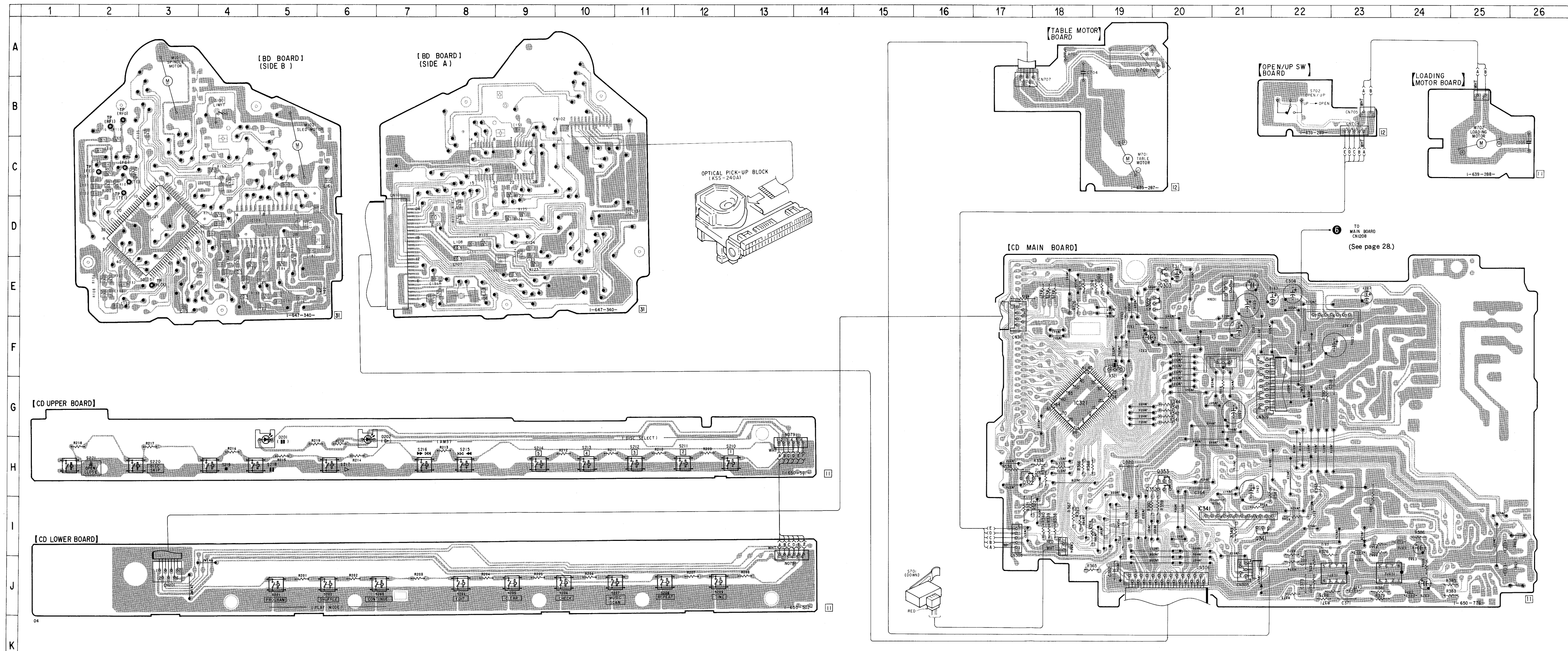
**Note :**  
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note :**  
Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- $\Delta$  : B+ Line
- $\Delta$  : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- no mark: CD STOP
- Voltages are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\Delta$  : CD



**5-9. PRINTED WIRING BOARDS—CD SECTION—** • Refer to page 45 for Semiconductor Lead Layouts.



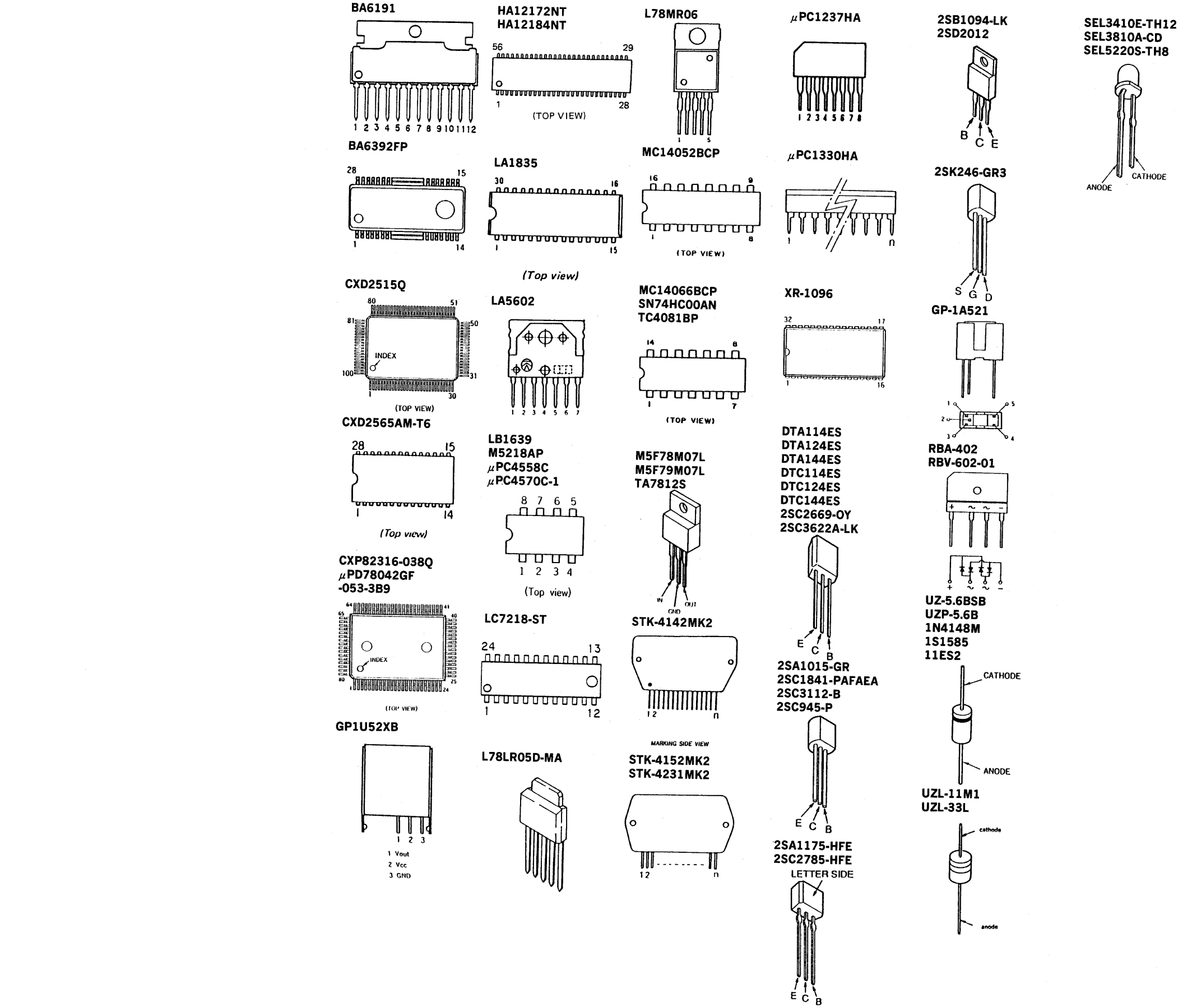
- **Semiconductor Location**

Ref. No.	Location
D201	H-5
D202	H-6
D321	H-17
D341	I-22
D701	A-19
IC101	D-3
IC102	C-8
IC103	D-4
IC302	F-23
IC304	E-20
IC305	F-21
IC321	G-18
IC341	I-20
IC371	J-22
IC372	J-23
JW304	G-22
JW317	H-22
JW427	J-21
JW428	I-23
Q302	E-19
Q303	E-19
Q322	H-17
Q341	I-20
Q351	H-20
Q353	H-20

**Note :**

- ○ : parts extracted from the component side.
- ● : Through hole.
- ■ : Pattern on the side which is seen.  
(The other layer's patterns are not indicated.)

5-10. SEMICONDUCTOR LEAD LAYOUTS

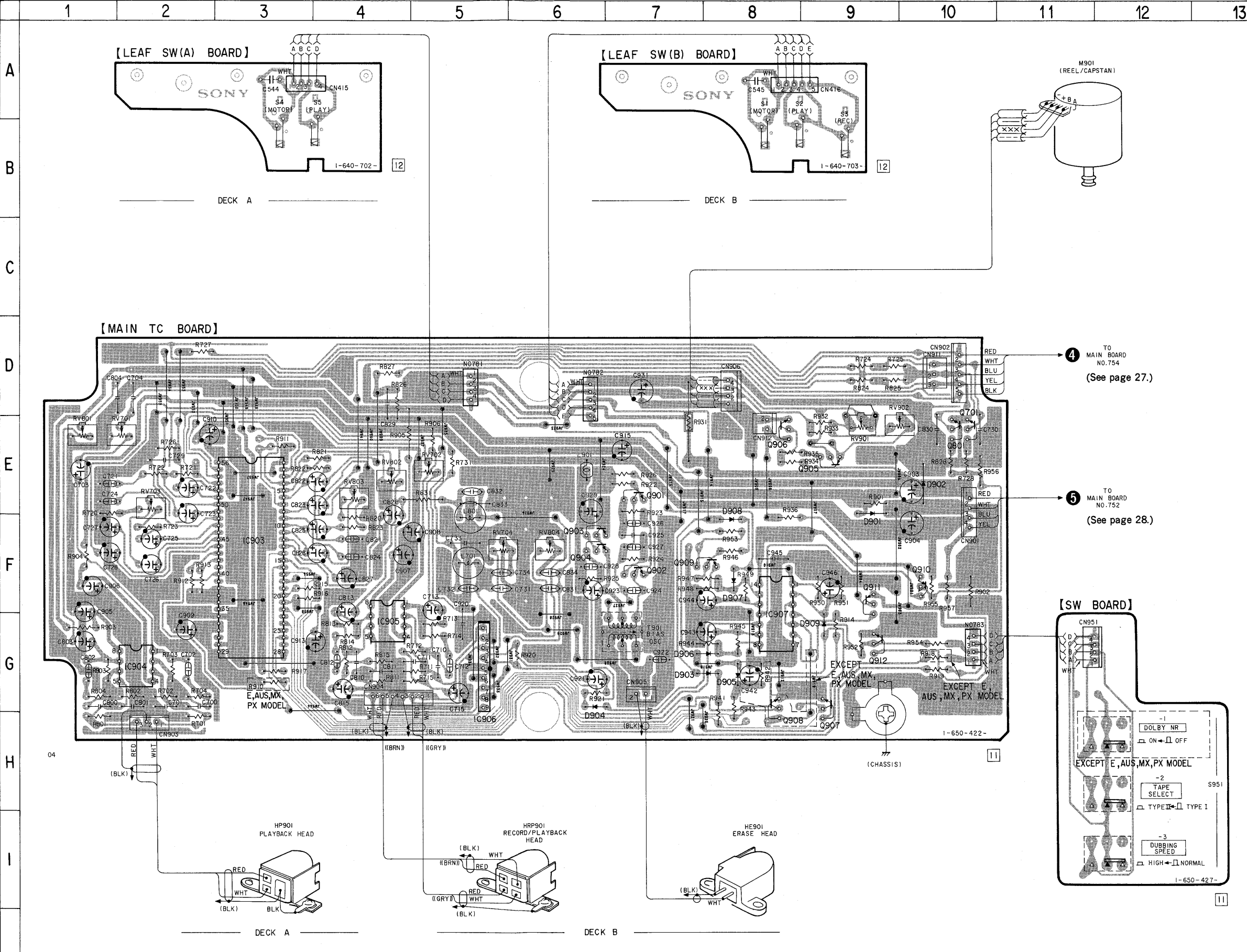


• Semiconductor Location

Ref. No.	Location
D901	E-9
D902	E-10
D903	G-7
D904	G-6
D905	G-8
D906	G-7
D907	F-8
D908	F-8
D909	G-9
IC903	F-3
IC904	G-3
IC905	G-4
IC906	G-5
IC907	F-8
Q701	E-10
Q801	E-10
Q901	E-7
Q902	F-7
Q903	F-6
Q904	F-6
Q905	E-9
Q906	E-8
Q907	G-9
Q908	G-8
Q909	F-7
Q910	F-10
Q911	F-8
Q912	G-9

- Note :
- : parts extracted from the component side.
  - : Pattern on the side which is seen.
  - Abbreviations  
MX : Mexican model  
AUS : Australian model

5-11. PRINTED WIRING BOARDS—DECK SECTION—







5-12. SCHEMATIC DIAGRAM—DECK SECTION— • Refer to page 58 for IC Block Diagrams.


## Note :





- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $1/4\text{ W}$  or less unless otherwise specified.





## Note :

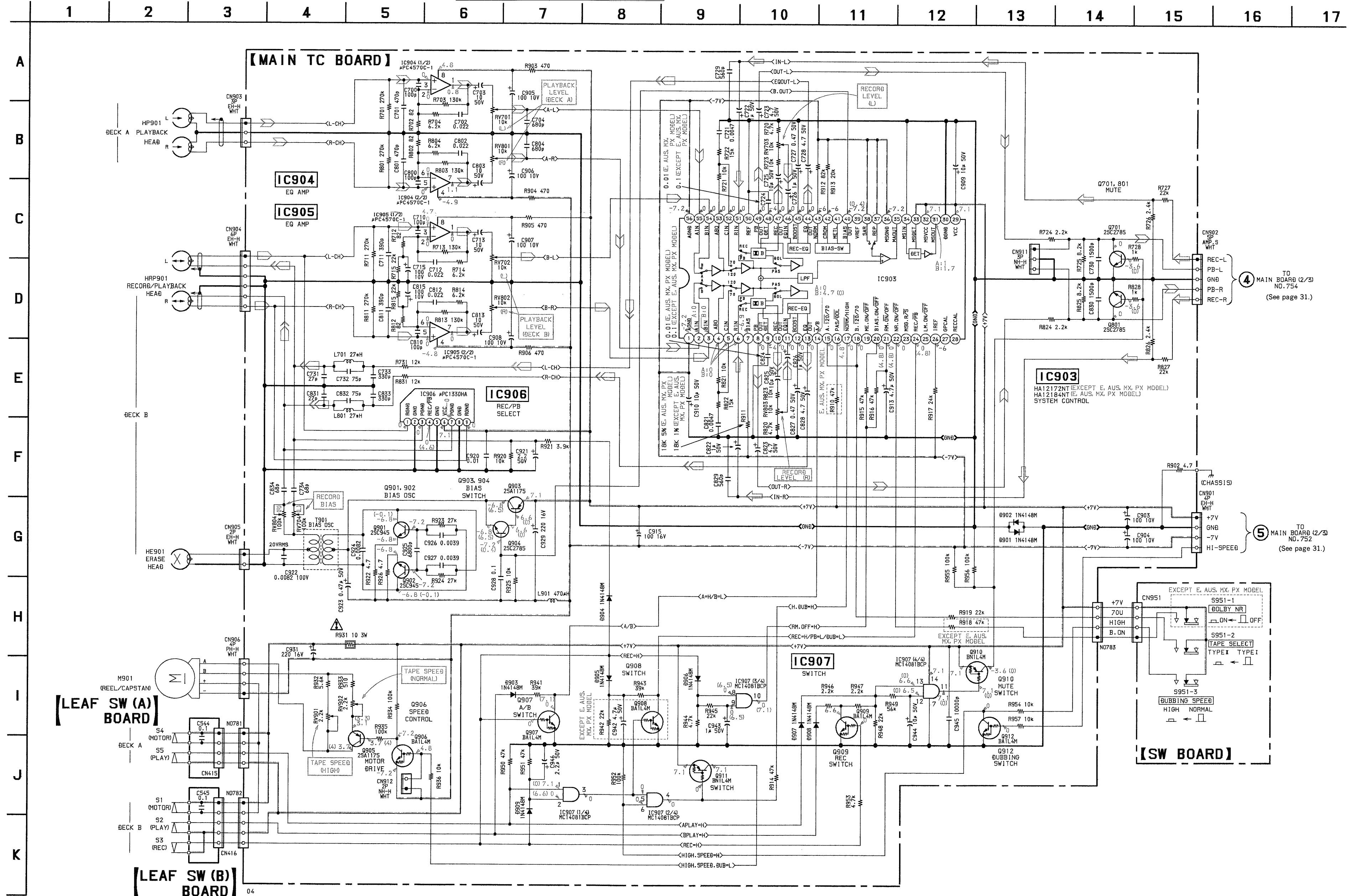
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

## Note :

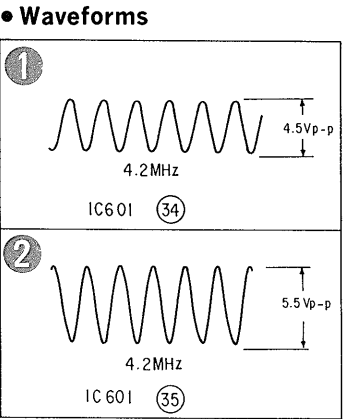
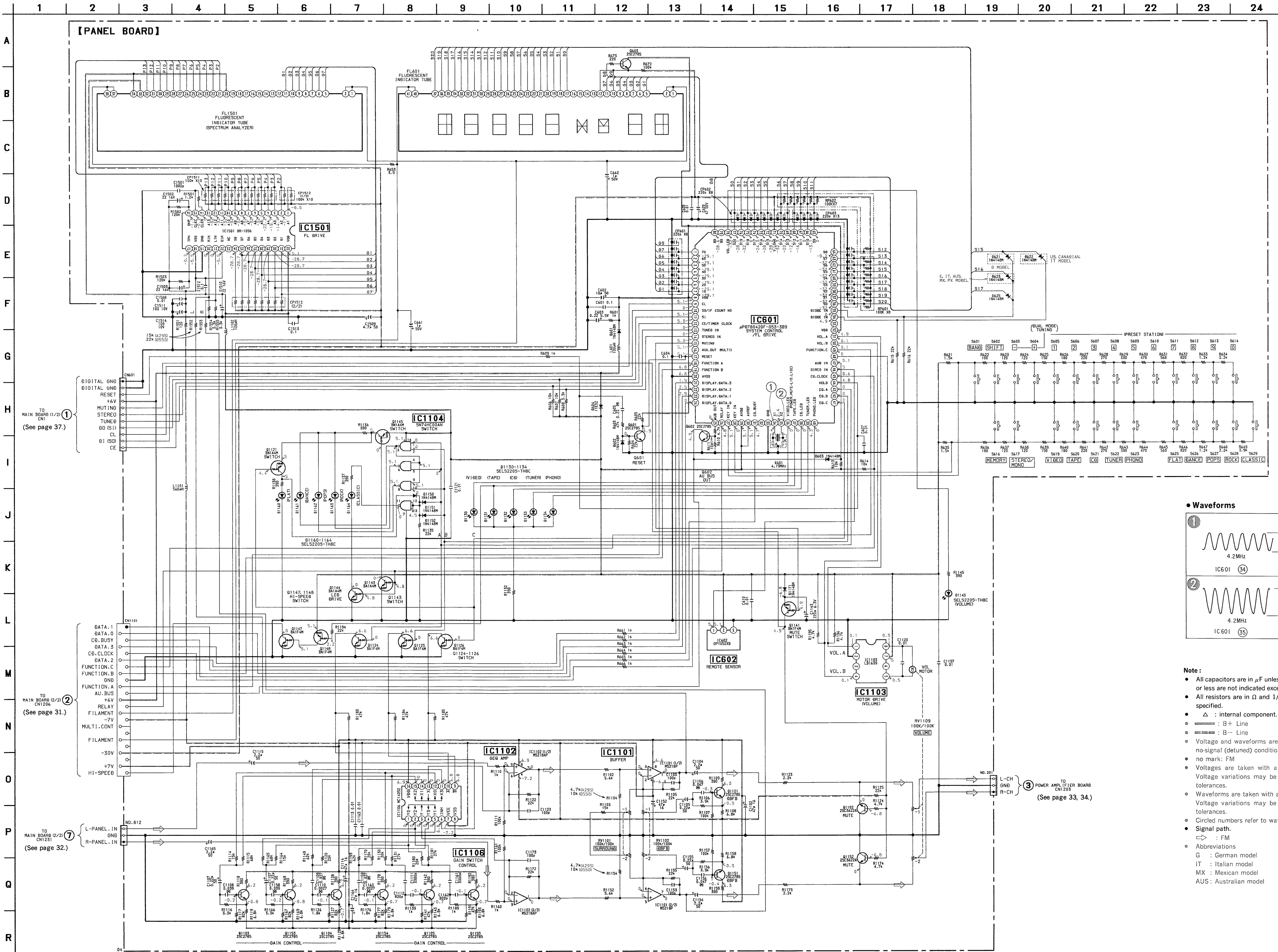
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

-  : nonflammable resistor.
-  : B+ Line
-  : B- Line
-  : adjustment for repair.
- Voltage is dc with respect to ground under no-signal conditions.
- no mark: PB
- ( ) : REC
- A : DECK A
- B : DECK B
- Voltages are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.

- Signal path.
-  : FM
-  : PB (DECK A)
-  : PB (DECK B)
-  : REC (DECK B)
- Abbreviations
- MX : Mexican model
- AUS : Australian model



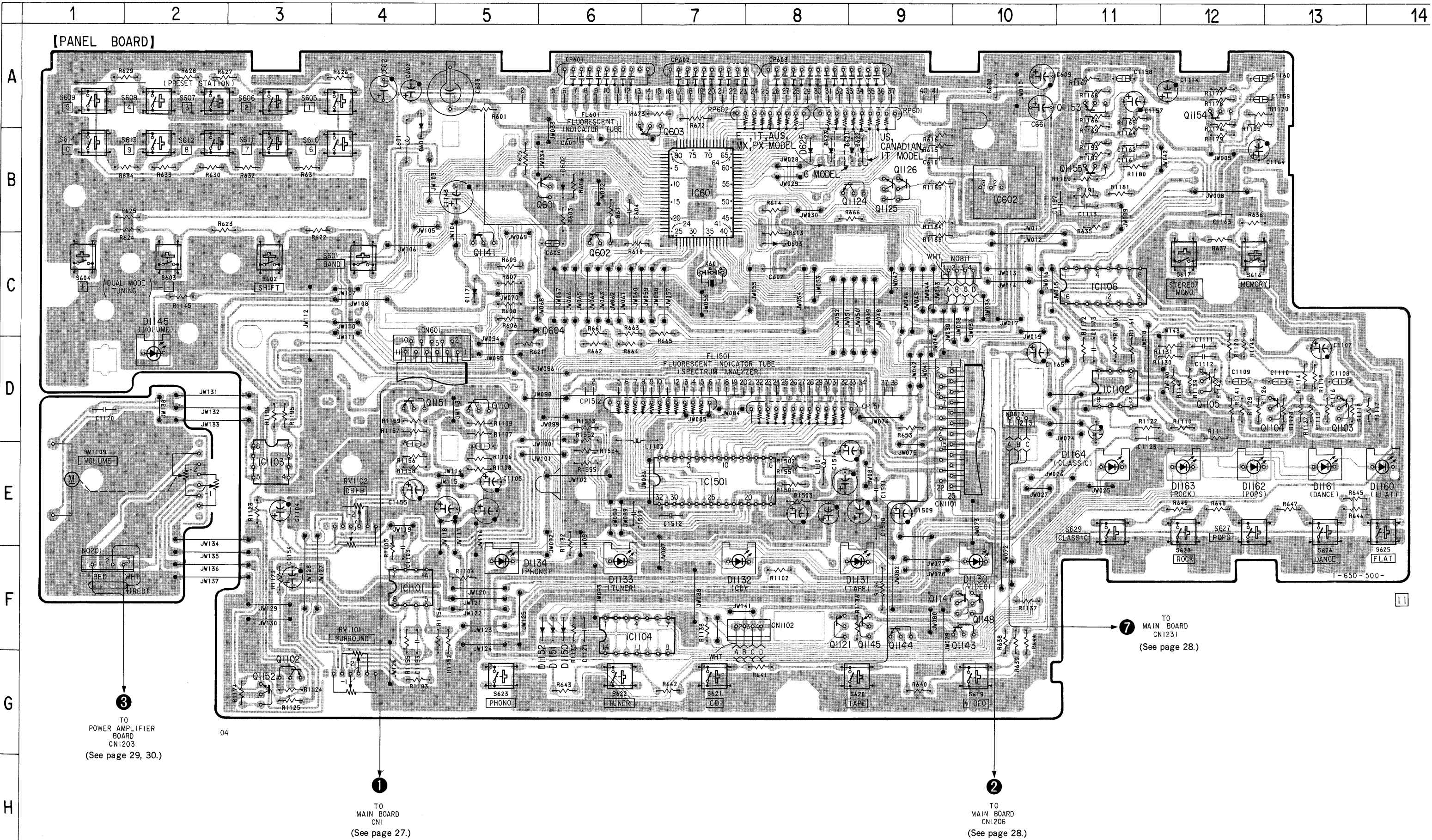
5-13. SCHEMATIC DIAGRAM—PANEL SECTION— • Refer to page 58 for IC Block Diagrams.



- Note:**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and 1/4 W or less unless otherwise specified.
  - $\Delta$  : internal component.
  - $\text{---}$  : B+ Line
  - $\text{---}$  : B- Line
  - Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  - no mark: FM
  - Voltages are taken with a VOM (Input Impedance 10M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
  - Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
  - Circled numbers refer to waveforms.
  - **Signal path.**
  - $\text{---}$  : FM
  - Abbreviations
  - G : German model
  - IT : Italian model
  - MX : Mexican model
  - AUS : Australian model



5-14. PRINTED WIRING BOARD—PANEL SECTION— • Refer to page 45 for Semiconductor Lead Layouts.



• Semiconductor Location

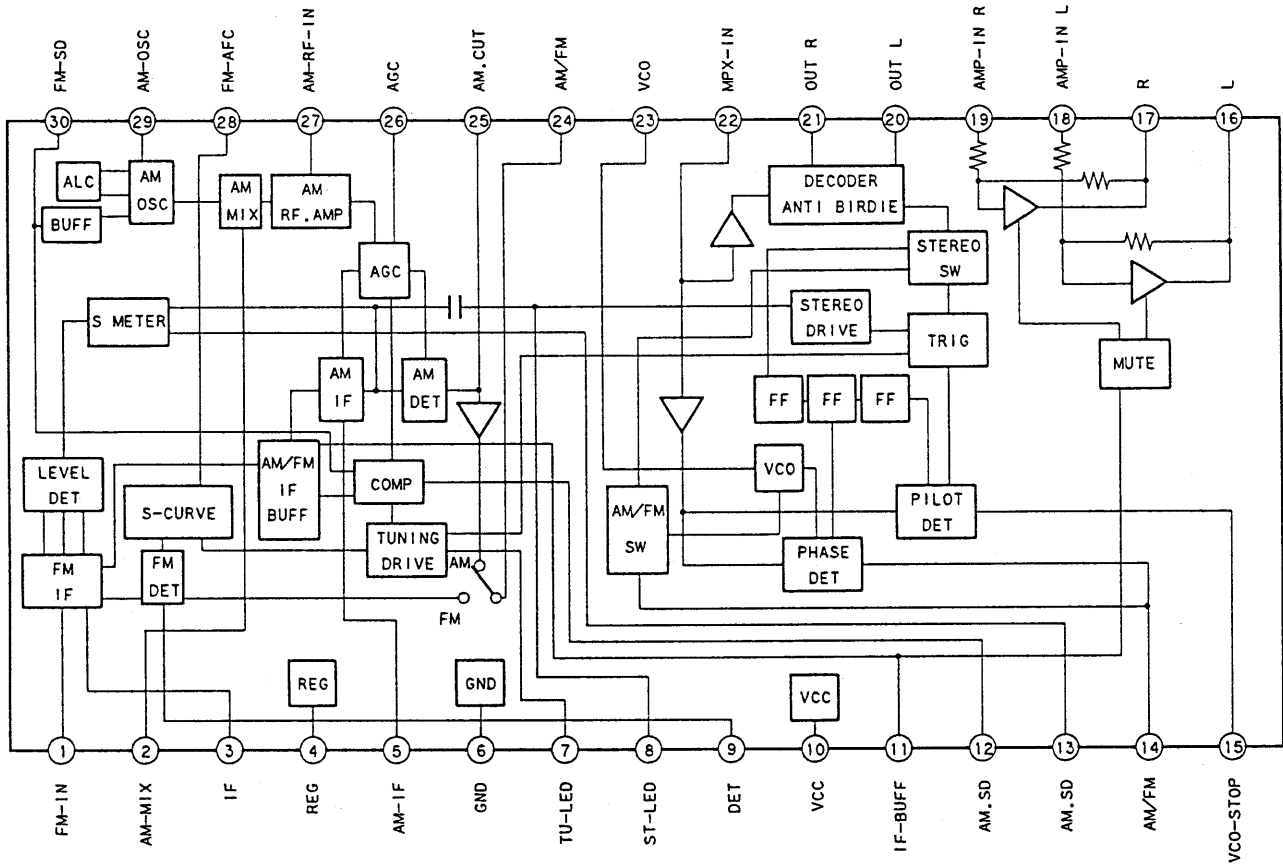
Ref. No.	Location
D601	B-4
D602	B-6
D603	C-8
D604	C-5
D621	B-8
D622	B-9
D623	B-8
D625	B-8
D1130	F-10
D1131	F-9
D1132	F-7
D1133	F-6
D1134	F-5
D1145	D-2
D1150	F-6
D1151	F-6
D1152	F-6
D1160	E-14
D1161	E-13
D1162	E-12
D1163	E-12
D1164	E-11
D1171	C-5
IC601	B-7
IC602	B-10
IC1101	F-4
IC1102	D-11
IC1103	E-3
IC1104	F-6
IC1106	C-11
IC1501	E-7
Q601	B-6
Q602	C-6
Q603	B-7
Q1101	D-5
Q1102	G-3
Q1103	D-13
Q1104	D-13
Q1105	D-12
Q1121	F-8
Q1124	B-8
Q1125	B-9
Q1126	B-9
Q1141	C-5
Q1143	F-10
Q1144	F-9
Q1145	F-9
Q1147	F-10
Q1148	F-10
Q1151	D-4
Q1152	G-3
Q1153	A-11
Q1154	A-12
Q1155	B-11

Note :  
• — : parts extracted from the component side.  
• : Pattern on the side which is seen.  
• Abbreviations  
G : German model  
IT : Italian model  
MX : Mexican model  
AUS : Australian model

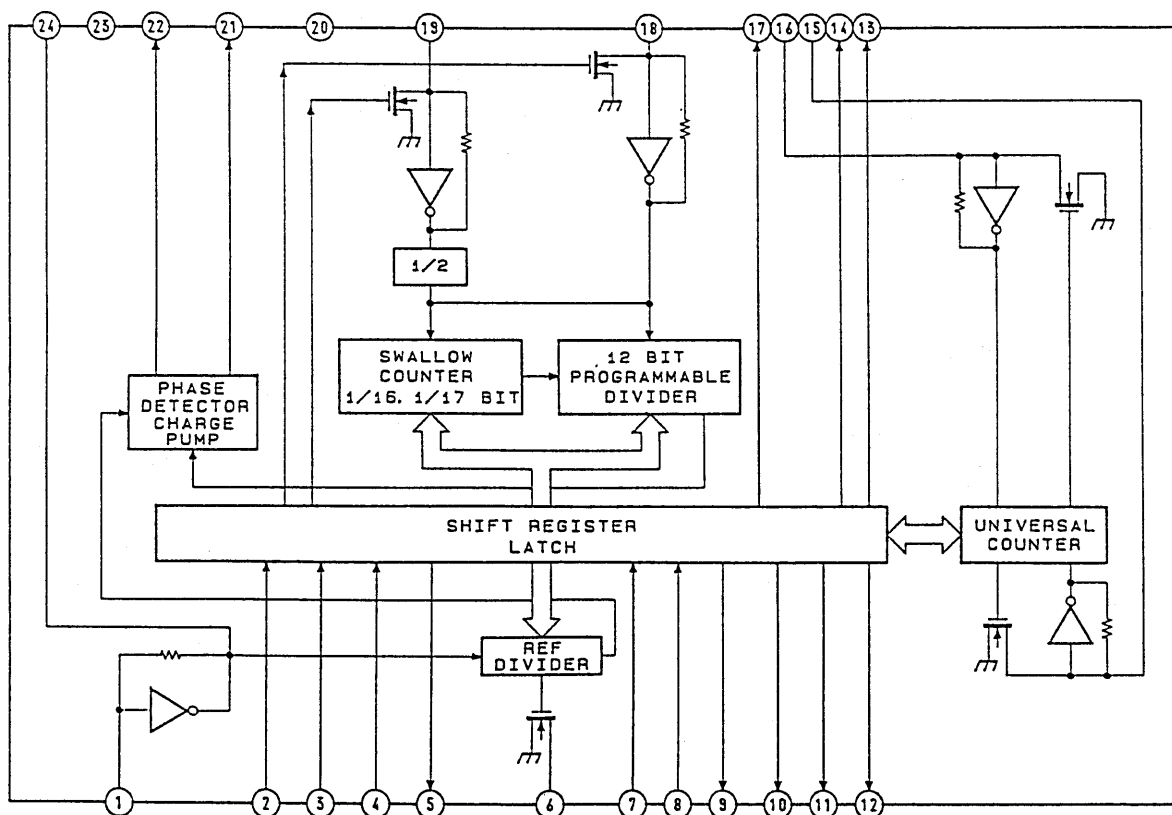


• IC Block Diagrams

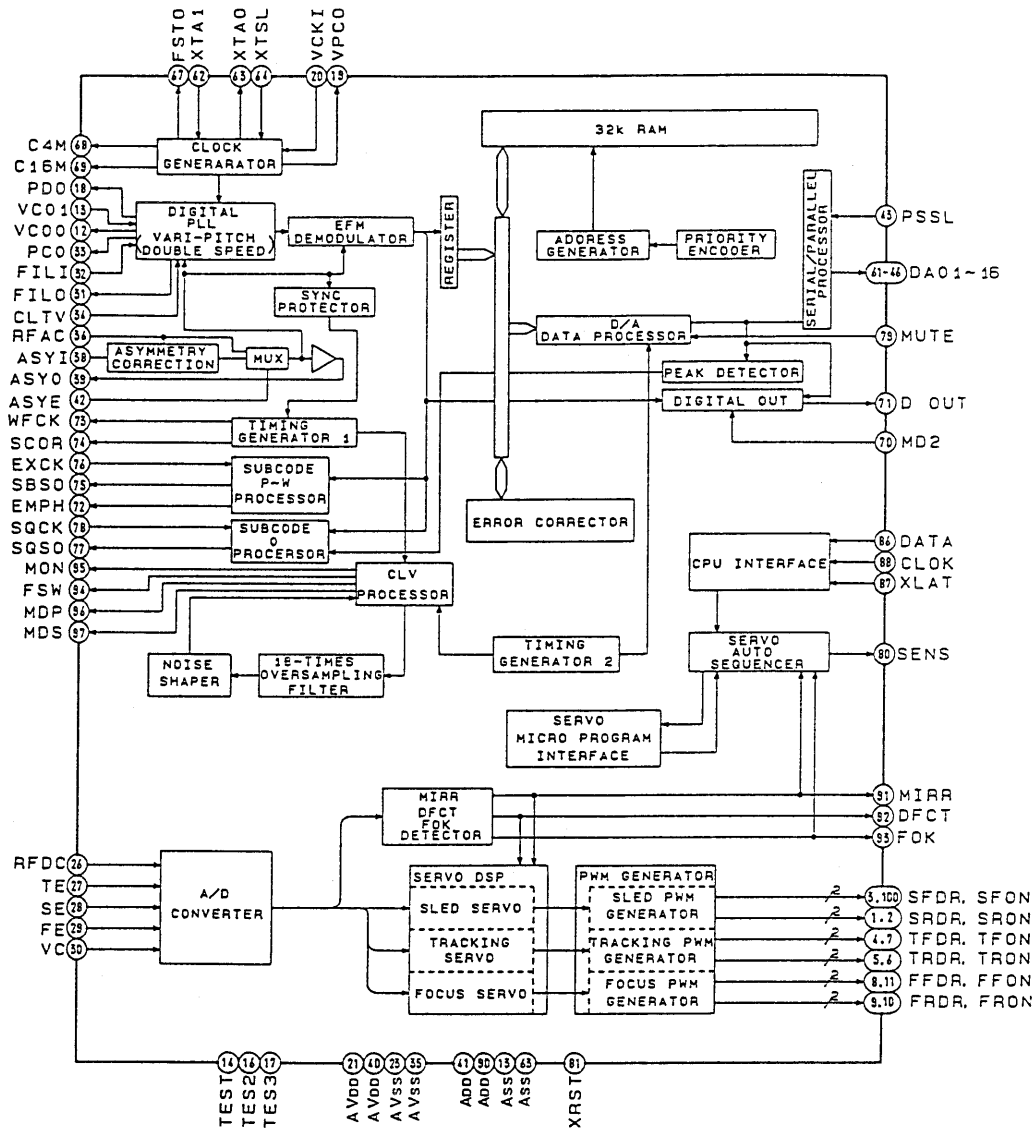
IC1 LA1835



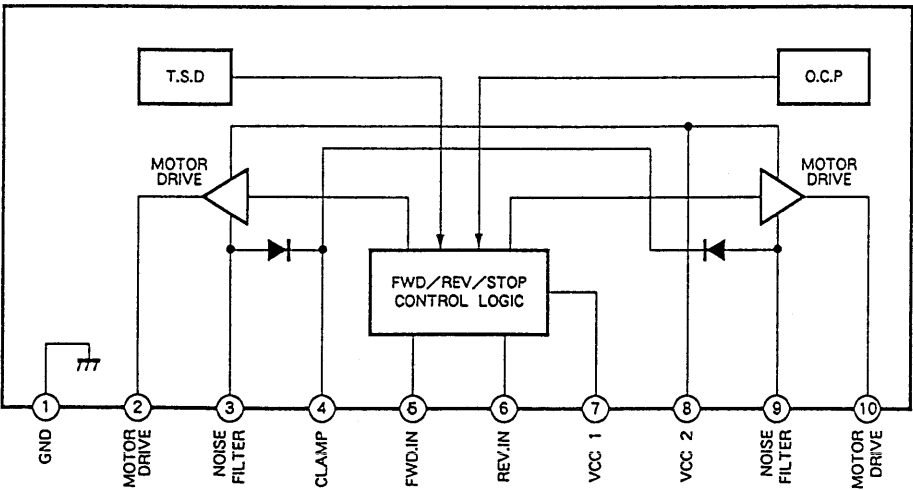
IC51 LC7218



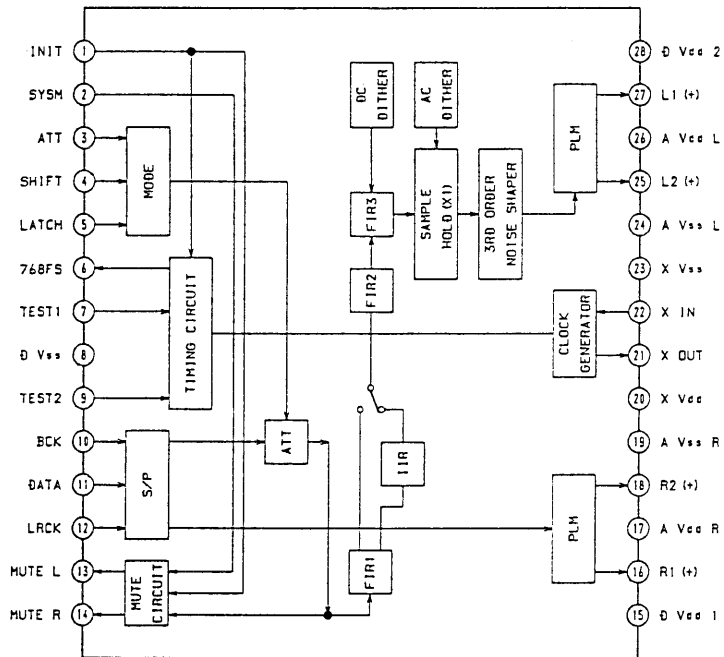
IC101 CXD2515Q



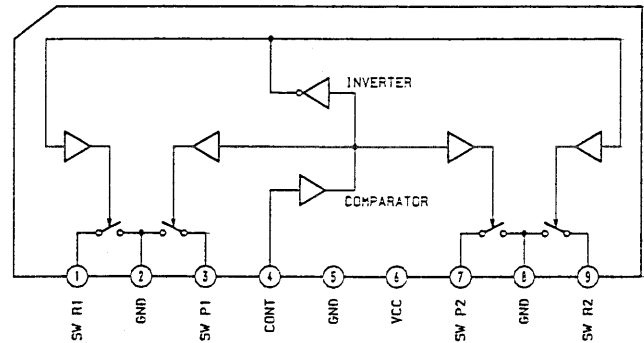
IC304 L78LR05  
IC1305 L78MR06



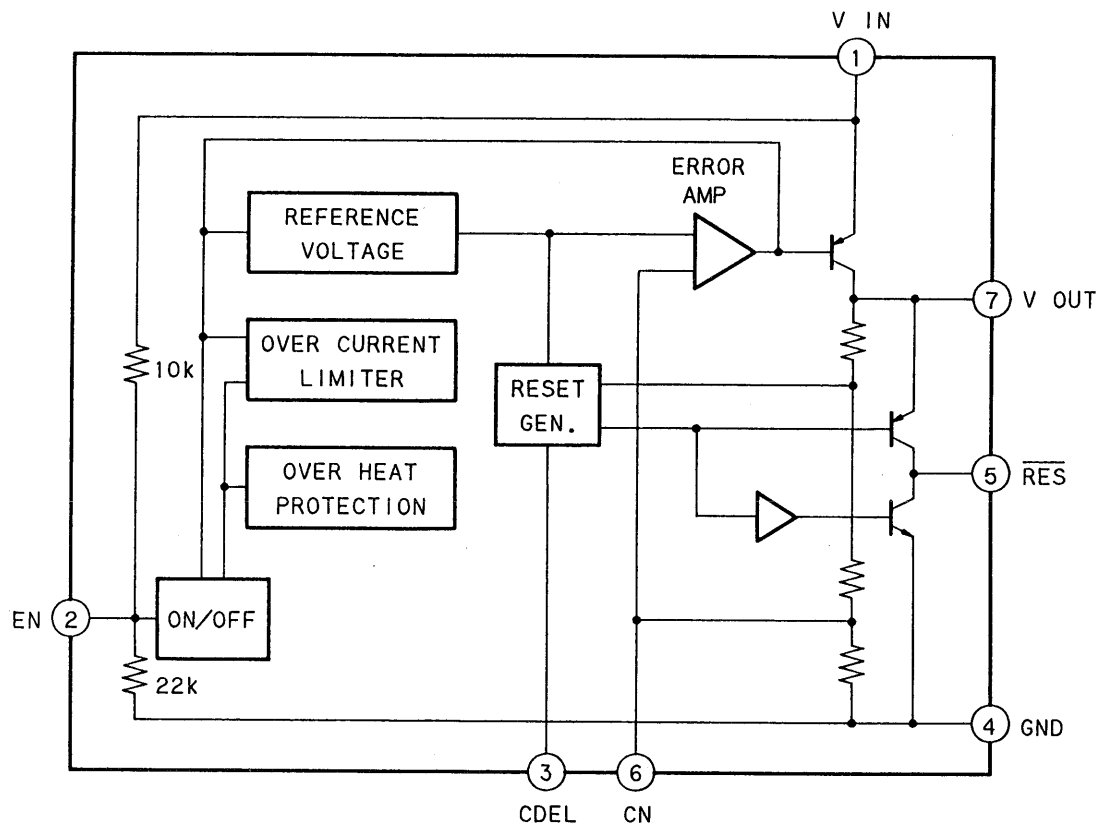
**IC103 CXD2565M**



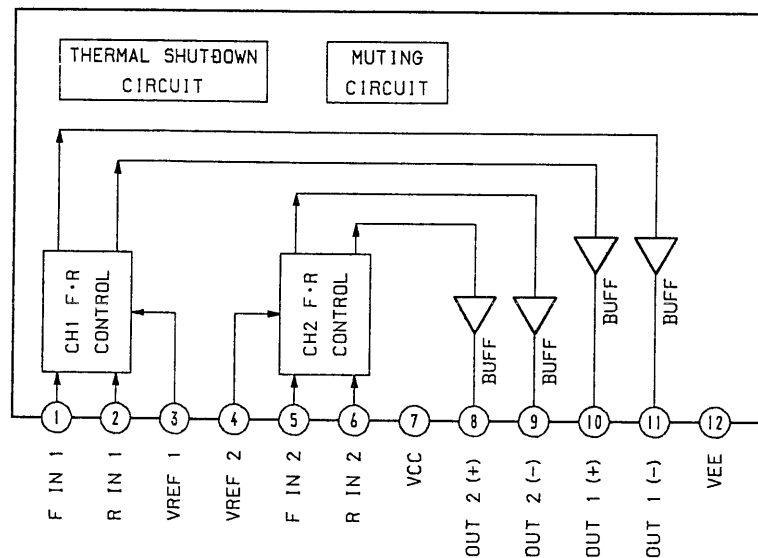
**IC906  $\mu$ PC1330HA**



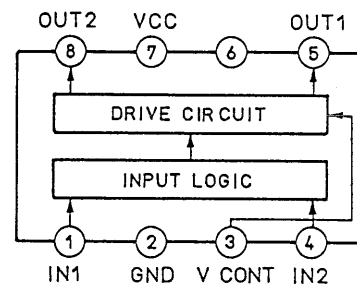
**IC302 LA5602**



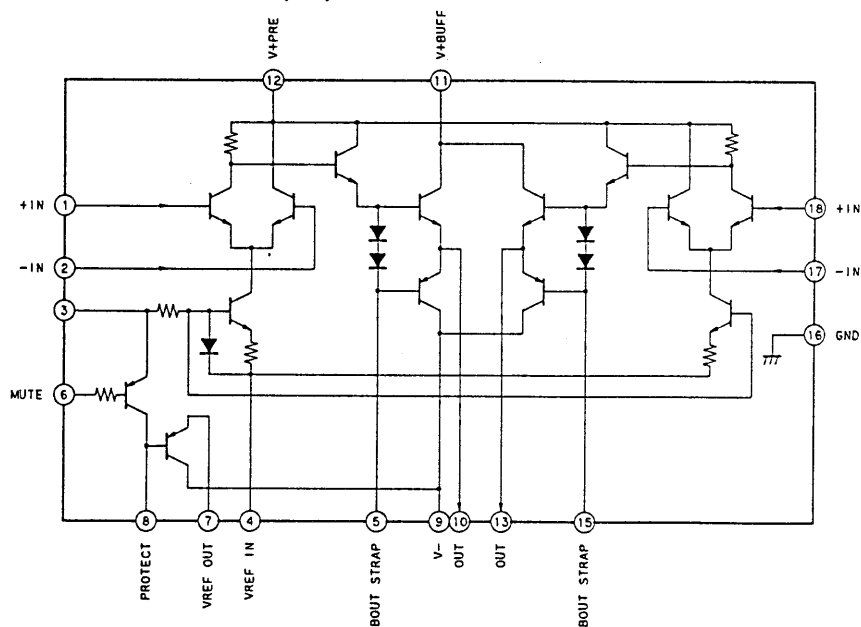
# IC341 BA6191



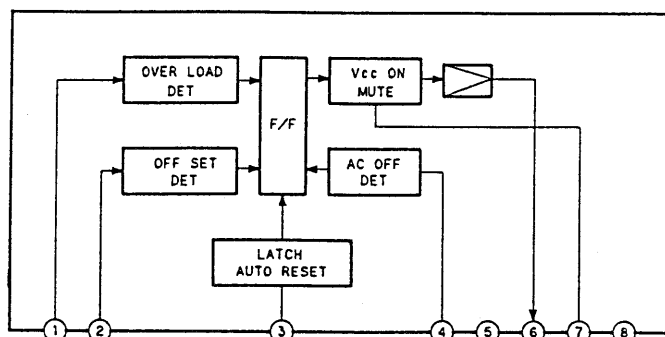
# IC1103 LB1639



# IC1201 STK4142-MK2 (CND, AEP, UK, G, IT) STK4152-MK2K (E, AUS, MX, PX) STK4231-MK2 (US)



# IC1202 $\mu$ PC1237HA



## 5-15. PIN DESCRIPTION

### • IC601 $\mu$ PD78042GF-053-3B9

Pin No.	Pin Name	I/O	Pin Description
1	7G	O	FL tube digit output
2	6G	O	FL tube digit output
3	5G	O	FL tube digit output
4	4G	O	FL tube digit output
5	3G	O	FL tube digit output
6	2G	O	FL tube digit output
7	1G	O	FL tube digit output
8	VDD	—	Microcomputer power (5V)
9	CL	O	Serial clock output to LC7218 (PLL IC).
10	SO/IF COUNT NG	O	Serial data output to LC7218 (PLL IC).
11	SI	I	Serial data input from LC7218 (PLL IC).
12	CE/TIMER CLOCK	I	Chip enable input from LC7218 (PLL IC).
13	TUNED IN	I	Modulation signal from tuner block. (L...Field)
14	STEREO IN	I	Stereo signal from tuner block. (L...FM STEREO received)
15	MUTING	O	Audio mute (L : Mute)
16	AUX. OUT	—	Not used.
17	RESET	—	Microcomputer reset pin
18	FUNCTION A	O	Function control
19	FUNCTION B	O	Function control
20	AVSS	—	A/D GND for key input.
21	DISPLAY. DATA. 3	I	CD display data bit 3
22	DISPLAY. DATA. 2	I	CD display data bit 2
23	DISPLAY. DATA. 1	I	CD display data bit 1
24	DISPLAY. DATA. 0	I	CD display data bit 0
25	AUB. OUT	O	AU BUS output
26	RELAY	O	Relay control (H : System ON)
27	KEY IN1	I	Key input (A/D change line 1)
28	KEY IN0	I	Key input (A/D change line 0)
29	AVDD	—	A/D power for key input (5V)
30	AVREF	—	A/D reference voltage (5V)
31	CD. BUSY	I	At H, CD is Active. (At H, tuner is fundamentally not operated.)
32	—	—	Not used.
33	GND	—	Microcomputer GND
34	X1	—	Crystal connection pin for Main•clock oscillator.
35	X2	—	Crystal connection pin for Main•clock oscillator.
36	VIDEO. LED	O	Video function LED
37	TAPE. LED	O	Tape function LED
38	CD. LED	O	CD function LED
39	TUNER. LED	O	Tuner function LED
40	PHONO. LED	O	Phono function LED
41	EQ. C	O	Preset•equalizer control
42	EQ. B	O	Preset•equalizer control
43	EQ. A	O	Preset•equalizer control
44	HOLD	I	Power cut detection pin (Normally : H, AC no connect : L)

Pin No.	Pin Name	I/O	Pin Description
45	CD. CLOCK	I	CD display data clock
46	SIRCS IN	I	SIRCS input
47	AUB. IN	I	AU BUS input
48	—	—	Connect to GND.
49	FUNCTION. C	—	Not used.
50	VOL. B	O	Volume control (VOL DOWN)
51	VOL. A	O	Volume control (VOL UP)
52	VDD	—	Microcomputer power (5V)
53	—	—	Not used.
54	DIODE. IN2	I	Distination•model discrimination input * 1
55	DIODE. IN1	I	Distination•model discrimination input * 1
56	S0	O	FL tube segment output
57	S1	O	FL tube segment output
58	S2	O	FL tube segment output
59	S3	O	Distination•model discrimination output * 1
60	S4	O	Distination•model discrimination output * 1
61	S5	O	Distination•model discrimination output * 1
62	S6	O	FL tube segment output
63	S7	O	FL tube segment output
64	S8	O	FL tube segment output
65	S9	O	FL tube segment output
66	S10	O	FL tube segment output
67	S11	O	FL tube segment output
68	S12	O	FL tube segment output
69	S13	O	FL tube segment output
70	S14	O	FL tube segment output
71	V. LOAD	—	Minus voltage for FL tube.
72	S15	O	FL tube segment output
73	S16	O	FL tube segment output
74	S17	O	FL tube segment output
75	S18	O	FL tube segment output
76	S19	O	FL tube segment output
77	S20	O	FL tube segment output
78	VOL. LED	O	Volume LED output
79	9G	—	Not used.
80	8G	O	FL tube digit output

\* 1

[DIODE MATRIX] (Pin No. is IC601's pin No.)

Output Input	Pin <sup>⑥1</sup>	Pin <sup>⑥0</sup>	Pin <sup>⑤9</sup>
Pin <sup>⑤5</sup>	A	C	○
Pin <sup>⑤4</sup>	B	×	×

× : Not use for diode.

○ : Use for diode.

[DISTINATION SELECT]

	G	US, CND	IT	E, AUS, MX, PX
A	○	×	×	×
B	×	○	○	×
C	×	×	○	○

● Abbreviations

G : German model

CND : Canadian model

IT : Italian model

AUS : Australian model

MX : Mexican model



## EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts  
Example :  

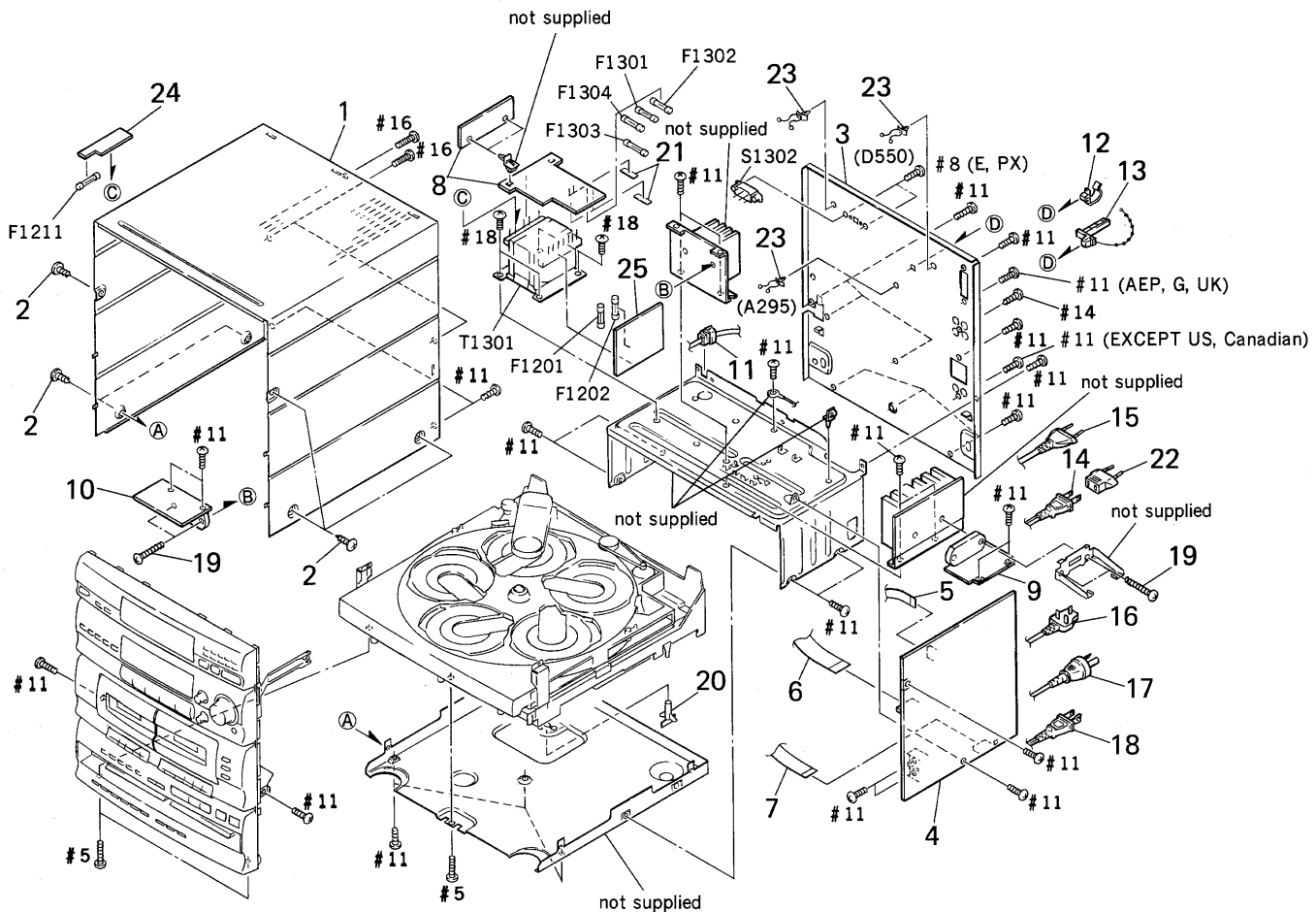
KNOB, BALANCE (WHITE)... (RED)  
 ↑                                    ↑  
 Parts Color                    Cabinet's Color
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

The components identified by mark  or dotted line with mark.  are critical for safety. Replace only with part number specified.

Les composants identifiés par une  
marque **A** sont critiques pour  
la sécurité.  
Ne les remplacer que par une pièce  
portant le numéro spécifié.

- Abbreviations
  - AEP1 : AEP unit with no PHONO POWER SOURCE
  - AEP2 : AEP unit with PHONO POWER SOURCE
  - IT : Italian model
  - G : German model
  - MX : Mexican model
  - AUS : Australian model

## 6-1. CHASSIS SECTION

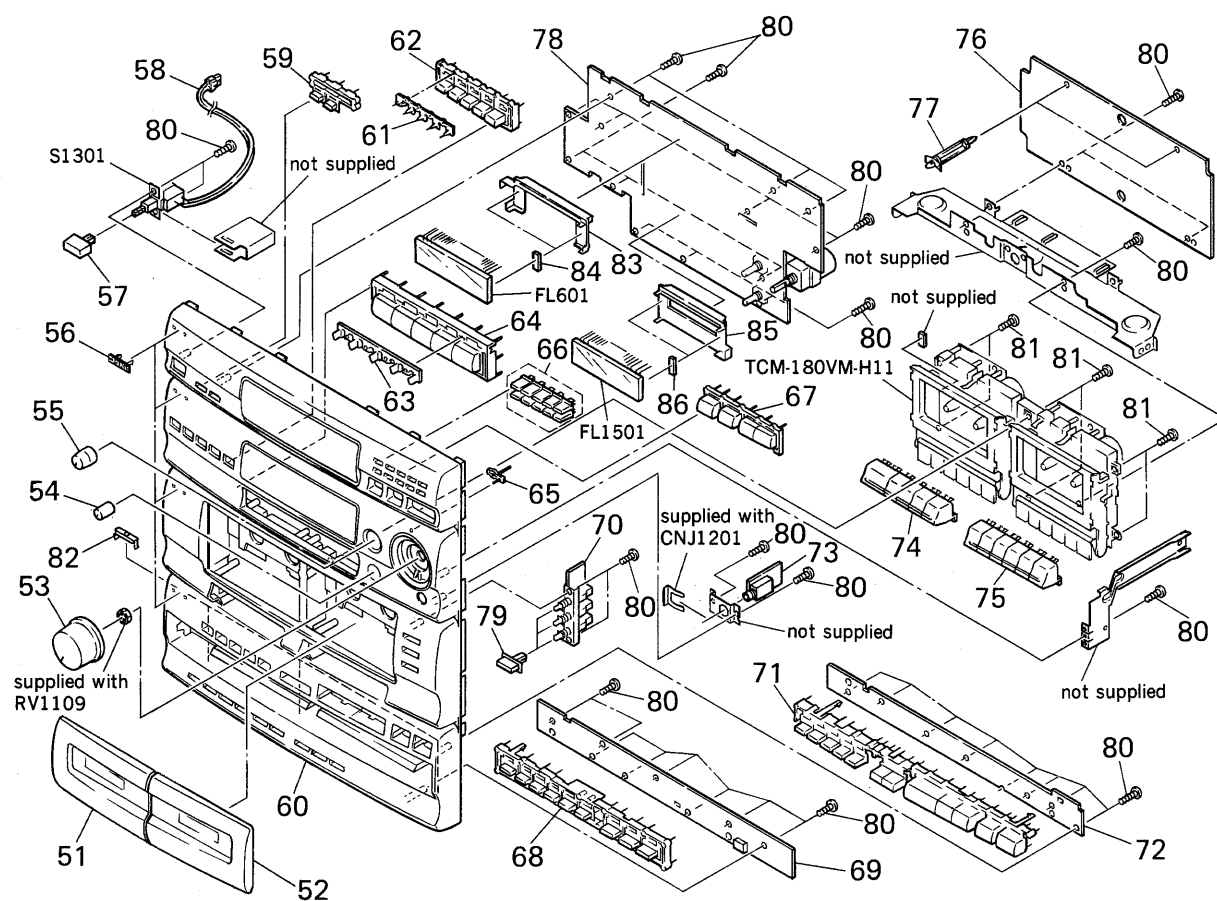


Ref.No.	Part No.	Description	Remark
* 1	4-962-724-11	CASE (CDM)	
2	3-363-099-01	SCREW (CASE 3 TP2)	
* 3	4-962-738-01	PANEL, BACK (UK)	
* 3	4-962-738-11	PANEL, BACK (Canadian)	
* 3	4-962-738-31	PANEL, BACK (AEP2)	
* 3	4-962-738-41	PANEL, BACK (IT)	
* 3	4-962-738-51	PANEL, BACK (US)	
* 3	4-962-738-71	PANEL, BACK (AEP1)	
* 3	4-962-738-81	PANEL, BACK (G)	
* 3	4-962-739-01	PANEL, BACK (E)	
* 3	4-962-739-11	PANEL, BACK (MX)	
* 3	4-962-739-21	PANEL, BACK (AUS)	
* 3	4-962-739-31	PANEL, BACK (PX)	
* 4	A-4365-904-A	MAIN BOARD, COMPLETE (AEP2)	
* 4	A-4365-925-A	MAIN BOARD, COMPLETE (E, AUS, MX, PX)	
* 4	A-4365-937-A	MAIN BOARD, COMPLETE (US)	
* 4	A-4369-078-A	MAIN BOARD, COMPLETE (UK)	
* 4	A-4369-094-A	MAIN BOARD, COMPLETE (AEP1)	
* 4	A-4369-098-A	MAIN BOARD, COMPLETE (IT)	
* 4	A-4369-258-A	MAIN BOARD, COMPLETE (Canadian)	
* 4	A-4369-605-A	MAIN BOARD, COMPLETE (G)	
5	1-590-576-11	WIRE, FLAT TYPE (11 CORE)	
6	1-751-747-11	WIRE (FLAT TYPE) (23 CORE)	
7	1-765-234-11	CORD, CONNECTION (17 CORE)	
* 8	1-650-434-11	POWER BOARD (A295)	
* 9	A-4365-931-A	POWER AMPLIFIER BOARD, COMPLETE (US)	
* 10	A-4365-902-A	POWER AMPLIFIER BOARD, COMPLETE (Canadian, AEP, UK)	
* 10	A-4365-923-A	POWER AMPLIFIER BOARD, COMPLETE (E, AUS, MX, PX)	
* 10	A-4369-101-A	POWER AMPLIFIER BOARD, COMPLETE (G, IT)	
* 11	3-703-244-00	BUSHING (2104), CORD (US, Canadian, AEP, UK, G, IT)	
11	3-703-571-11	BUSHING (S) (4516), CORD (E, AUS, MX, PX)	

Ref.No.	Part No.	Description	Remark
* 12	4-949-235-01	HOOK (EXCEPT UK)	
13	4-956-370-12	BAND, PLUG FIXED (AUS, UK)	
<u>A</u> 14	1-575-653-11	CORD, POWER (E, MX, PX)	
<u>A</u> 15	1-575-651-11	CORD, POWER (AEP, G, IT)	
<u>A</u> 16	1-696-570-21	CORD, POWER (UK)	
<u>A</u> 17	1-696-848-21	CORD, POWER (AUS)	
<u>A</u> 18	1-690-609-11	CORD, POWER (US, Canadian)	
19	4-928-635-11	SCREW, +BV (2.6X16) TAPPING	
20	4-937-945-01	PLATE (TRANSPORT), LOCK	
* 21	3-701-946-26	LABEL (4A125V), FUSE (Canadian)	
<u>A</u> 22	1-569-007-11	ADAPTOR, CONVERSION 2P (PX)	
23	4-953-346-01	CLAMP, LEAD	
* 24	1-650-485-11	POWER PRIMARY BOARD (D550)	
* 25	1-651-320-11	POWER SECONDARY BOARD (D550)	
<u>A</u> F1201	1-576-108-11	FUSE (4A/125V) (US)	
<u>A</u> F1202	1-576-108-11	FUSE (4A/125V) (US)	
<u>A</u> F1211	1-576-108-11	FUSE (4A/125V) (US)	
<u>A</u> F1301	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
<u>A</u> F1301	1-576-108-11	FUSE (4A/125V) (Canadian)	
<u>A</u> F1302	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
<u>A</u> F1302	1-576-108-11	FUSE (4A/125V) (Canadian)	
<u>A</u> F1303	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
<u>A</u> F1303	1-576-108-11	FUSE (4A/125V) (Canadian)	
<u>A</u> F1304	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
<u>A</u> F1304	1-576-108-11	FUSE (4A/125V) (Canadian)	
<u>A</u> S1302	1-570-046-21	SWITCH, VOLTAGE CHANGE (VOLTAGE SELECTOR) (E, PX)	
<u>A</u> T1301	1-423-914-11	TRANSFORMER, POWER (AEP, UK, G, IT)	
<u>A</u> T1301	1-423-915-11	TRANSFORMER, POWER (E, AUS, MX, PX)	
<u>A</u> T1301	1-423-916-11	TRANSFORMER, POWER (US)	
<u>A</u> T1301	1-423-917-11	TRANSFORMER, POWER (Canadian)	



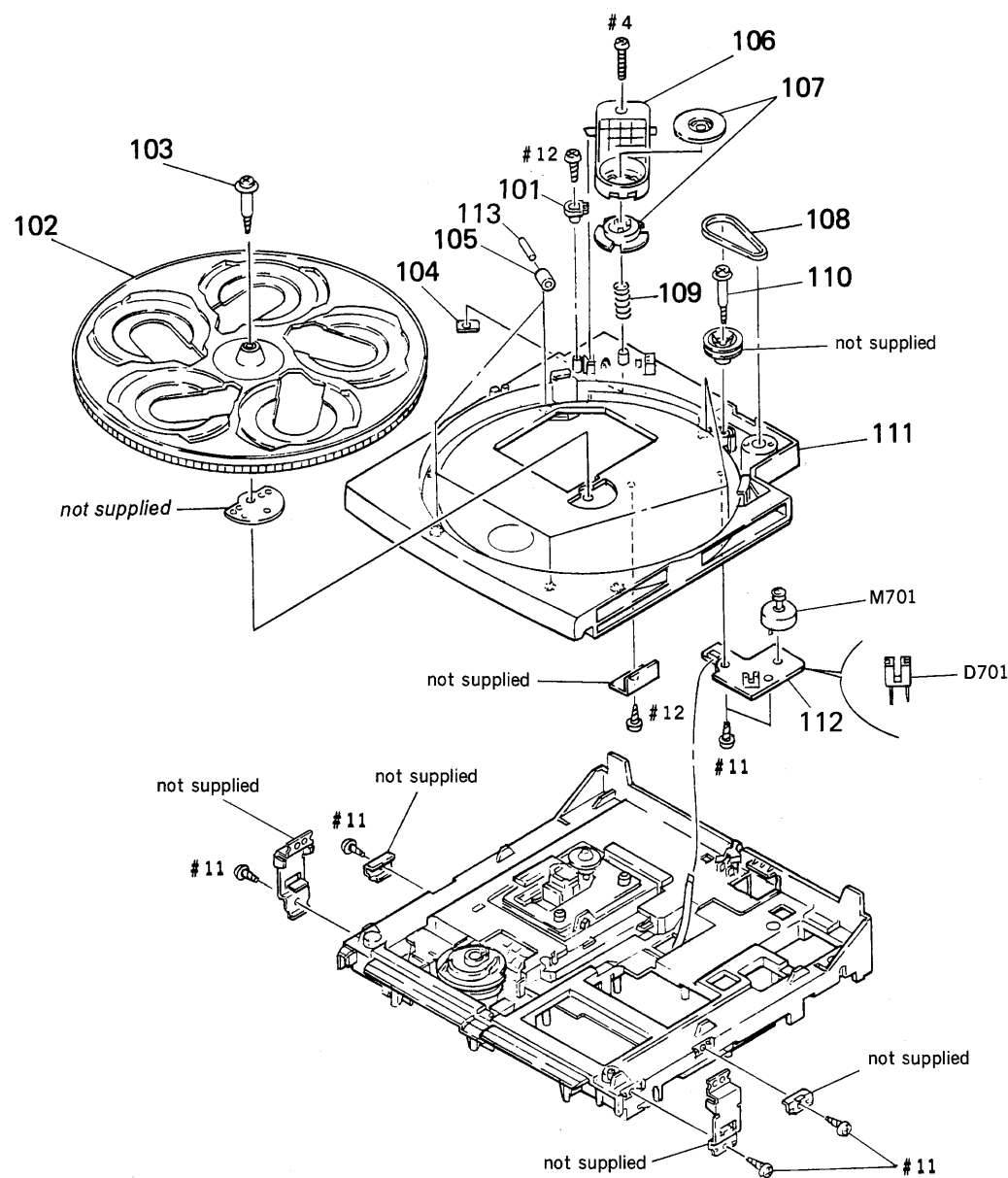
## 6-2. FRONT PANEL SECTION



The components identified by mark $\Delta$ or dotted line with mark. $\Delta$ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque $\Delta$ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
51	X-4944-276-1	LID (A) ASSY, CASSETTE		* 73	1-650-503-11	H. P. BOARD	
52	X-4944-277-1	LID (B) ASSY, CASSETTE		74	4-962-663-01	BUTTON (MD-A)	
53	4-955-635-02	KNOB (V)		75	4-962-664-01	BUTTON (MD-B)	
54	4-955-744-01	KNOB (BA)		* 76	A-4365-772-A	MAIN TC BOARD, COMPLETE (E, AUS, MX, PX)	
55	4-962-703-01	KNOB (SUR)		* 76	A-4365-787-A	MAIN TC BOARD, COMPLETE (US, Canadian, AEP, UK)	
56	4-962-708-11	EMBLEM (4-A), SONY		* 76	A-4371-005-A	MAIN TC BOARD, COMPLETE (G, IT)	
57	4-930-783-11	BUTTON (PO)		* 77	4-924-098-81	HOLDER, PC BOARD	
* 58	1-690-708-11	CORD (WITH CONNECTOR) (D550)		* 78	A-4365-891-A	PANEL BOARD, COMPLETE (AEP, UK)	
58	1-765-058-11	CORD (WITH CONNECTOR) (A295)		* 78	A-4365-913-A	PANEL BOARD, COMPLETE (E, AUS, MX, PX)	
59	4-962-660-01	BUTTON (MEMORY)		* 78	A-4365-929-A	PANEL BOARD, COMPLETE (D550)	
60	X-4944-680-1	PANEL ASSY, FRONT (A295)		* 78	A-4369-096-A	PANEL BOARD, COMPLETE (IT)	
60	X-4944-683-1	PANEL ASSY, FRONT (D550)		* 78	A-4369-256-A	PANEL BOARD, COMPLETE (Canadian)	
61	4-962-677-01	INDICATOR (SELECT 5)		* 78	A-4369-603-A	PANEL BOARD, COMPLETE (G)	
62	4-962-678-01	BUTTON (SELECT 5)		79	4-964-288-01	BUTTON (DDT-3)	
63	4-962-680-01	INDICATOR (FU)		80	4-951-620-01	SCREW (2. 6X8), +BVTP	
64	4-962-681-01	BUTTON (FU)		81	4-951-620-11	SCREW (2. 6X10), +BVTP	
65	4-962-682-01	INDICATOR (VO)		82	4-962-705-01	CHASSIS, HOLDER	
66	4-962-676-01	BUTTON (PRESET)		* 83	4-955-792-01	HOLDER (5M), FL TUBE	
67	4-962-661-01	BUTTON (BAND)		* 84	4-949-935-01	CUSHION (FL)	
68	4-962-666-01	BUTTON (PROGRAM)		* 85	4-962-699-01	HOLDER, FL TUBE	
* 69	1-650-502-11	CD LOWER BOARD		* 86	4-949-935-21	CUSHION (FL)	
* 70	1-650-504-11	SW BOARD		FL601	1-517-259-11	INDICATOR TUBE, FLUORESCENT	
71	X-4944-347-1	BUTTON (CDM) ASSY		FL1501	1-517-260-11	INDICATOR TUBE, FLUORESCENT	
* 72	1-650-501-11	CD UPPER BOARD		$\Delta$ S1301	1-572-267-61	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	

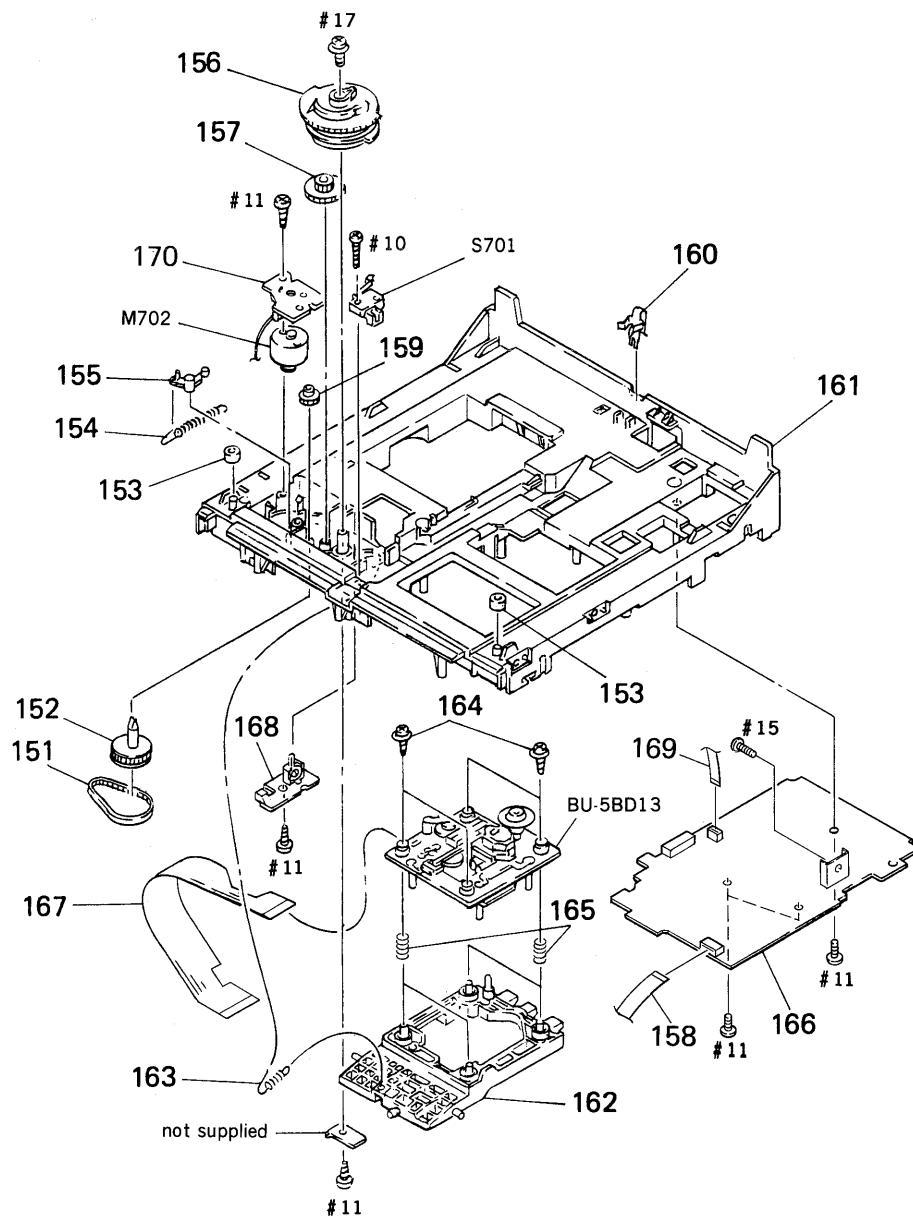
6-3. TRAY SECTION



Ref.No.	Part No.	Description	Remark
* 101	4-949-226-01	PLATE, LOCK	
* 102	4-926-383-01	TABLE (B), DISC	
103	4-926-384-01	SCREW, STEP	
* 104	4-926-388-01	BRACKET (ADJUSTMENT)	
105	X-4924-457-1	ROLLER ASSY	
* 106	4-930-506-02	BRACKET (PRESS PULLEY)	
* 107	1-452-538-11	MAGNET	
108	4-926-399-01	BELT	

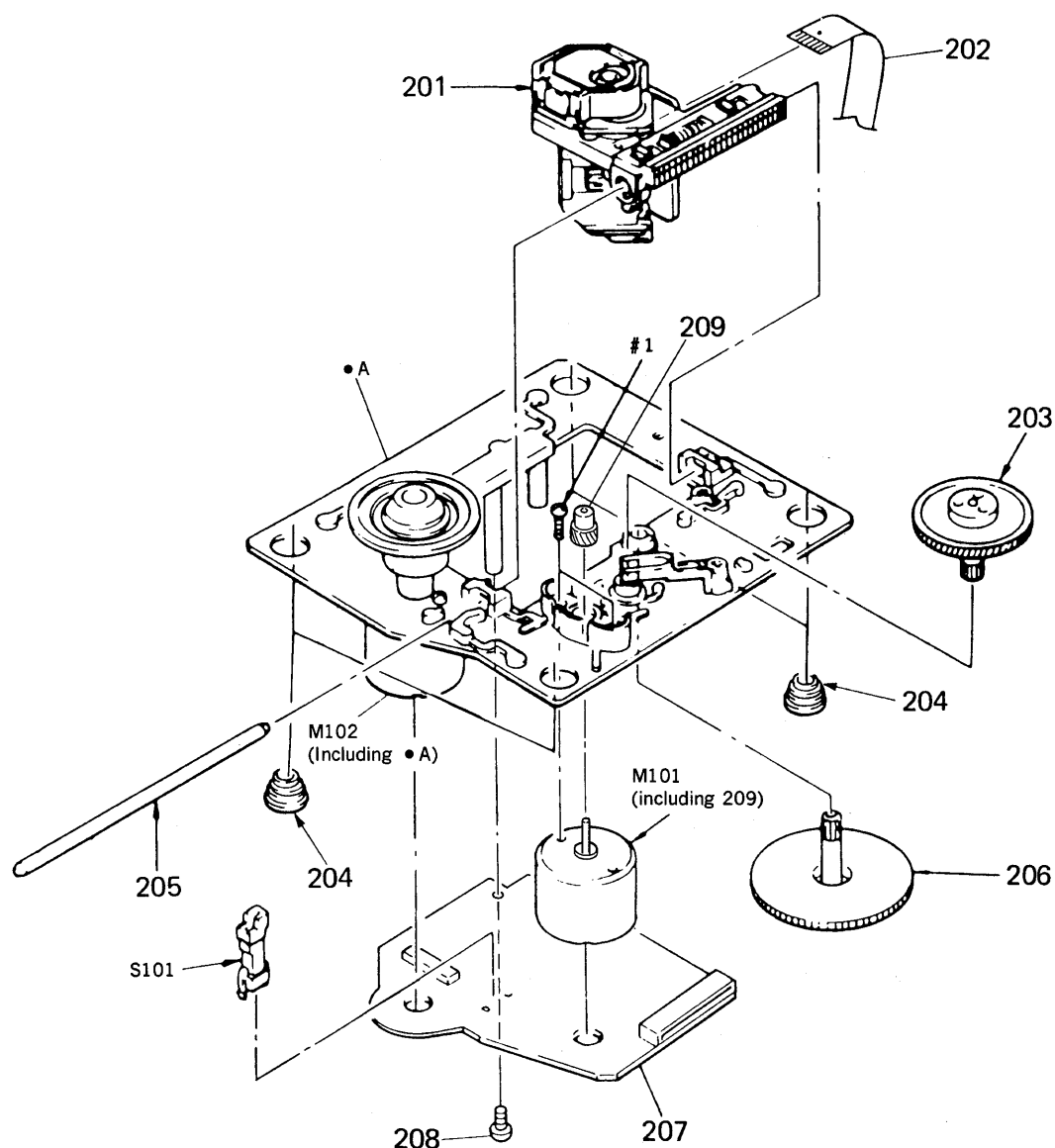
Ref.No.	Part No.	Description	Remark
109	4-926-395-01	SPRING, COMPRESSION	
110	4-923-597-01	SCREW, STEP	
111	4-955-787-41	TABLE, DISC	
* 112	1-638-729-11	TABLE MOTOR BOARD	
113	4-934-376-01	SHAFT (ROLLER)	
D701	8-719-970-19	PHOTO SENSOR GP-1A521	
M701	A-4604-849-A	MOTOR ASSY, ROTARY	

## 6-4. CD CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	4-944-490-01	BELT (TIMING)		* 162	4-934-373-01	BRACKET (BU)	
152	X-4941-529-1	PULLEY ASSY		163	4-937-911-01	SPRING, TENSION	
* 153	4-951-619-01	CUSHION (A)		164	4-933-134-01	SCREW (+PTPWH M2. 6X6)	
154	4-924-412-01	SPRING (B), TENSION		165	4-958-593-01	SPRING (BU), COMPRESSION	
155	4-917-519-11	LEVER, SET		* 166	A-4365-928-A	CD MAIN BOARD, COMPLETE	
156	4-934-391-01	GEAR (LOADING A)		167	1-537-645-11	JUMPER, FILM (WITH TERMINAL)	
157	4-934-381-01	GEAR (LOADING C)		* 168	1-638-731-11	OPEN/UP SW BOARD	
158	1-765-195-11	WIRE (FLAT TYPE) (7 CORE)		169	1-590-849-11	WIRE, FLAT TYPE (5 CORE)	
159	4-934-375-01	GEAR (LOADING B)		* 170	1-639-288-11	LOADING MOTOR BOARD	
* 160	4-943-996-06	SPRING, LEAF		M702	A-4604-847-A	MOTOR ASSY, LOADING	
* 161	4-943-997-31	CHASSIS		S701	1-572-713-11	SWITCH, PUSH (WITH CONNECTOR) (DOWN)	

# 6-5. OPTICAL PICK-UP BLOCK (BU-5BD13)



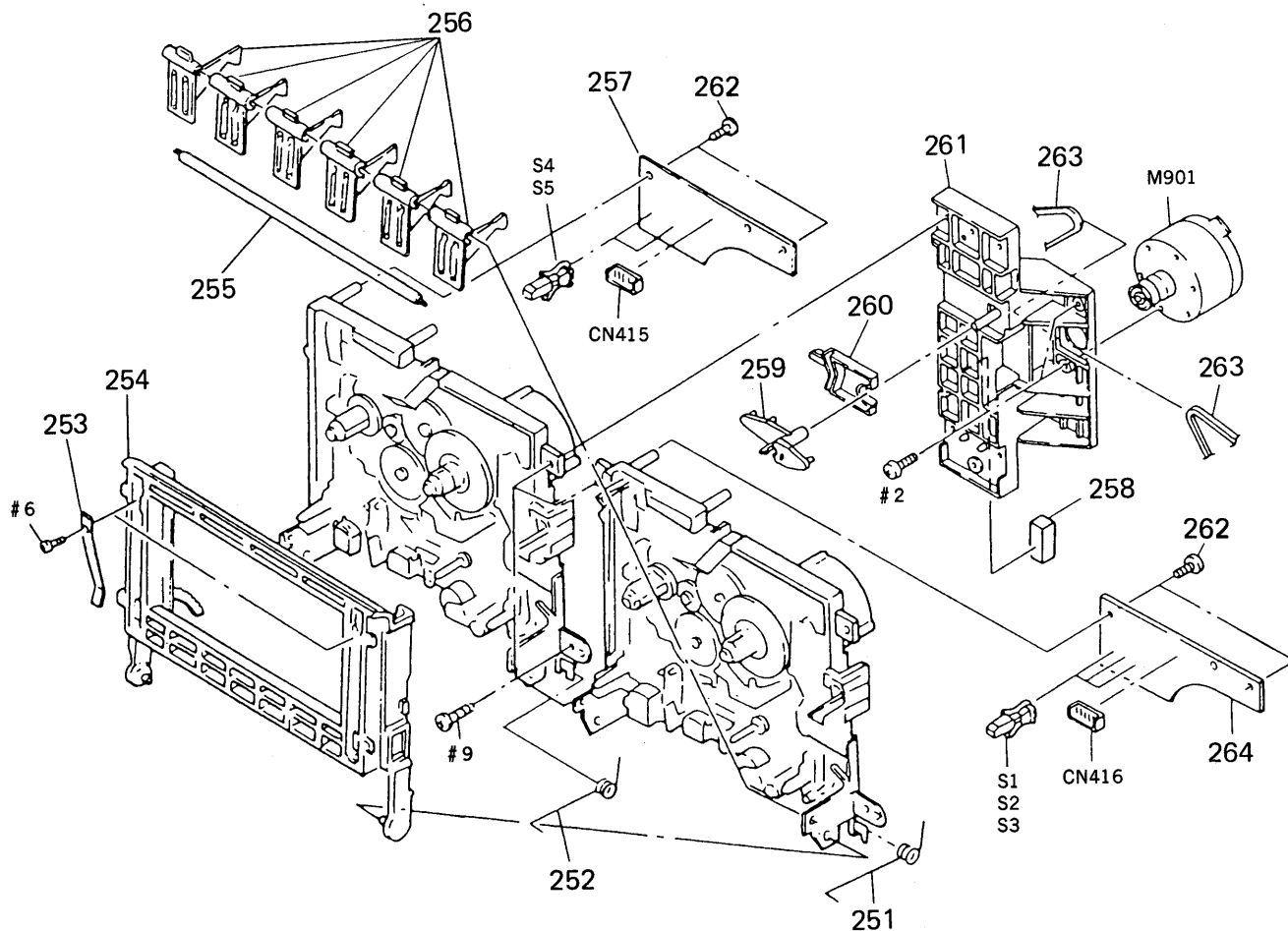
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
$\Delta$ 201	8-848-144-11	DEVICE, OPTICAL KSS-240A	
202	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
203	4-917-567-01	GEAR (M)	
204	4-951-940-01	INSULATOR (BU)	
205	4-917-565-01	SHAFT, SLED	
206	4-917-564-01	GEAR (P), FLATNESS	

Ref. No.	Part No.	Description	Remark
* 207	A-4673-064-A	BD BOARD, COMPLETE	
208	4-951-620-01	SCREW (2.6X8), +BVTP	
209	4-917-566-01	GEAR (S)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
M101	X-4917-504-1	MOTOR ASSY (SLED)	
M102	X-4917-523-4	BASE (OUTSERT) ASSY (SPINDLE MOTOR)	

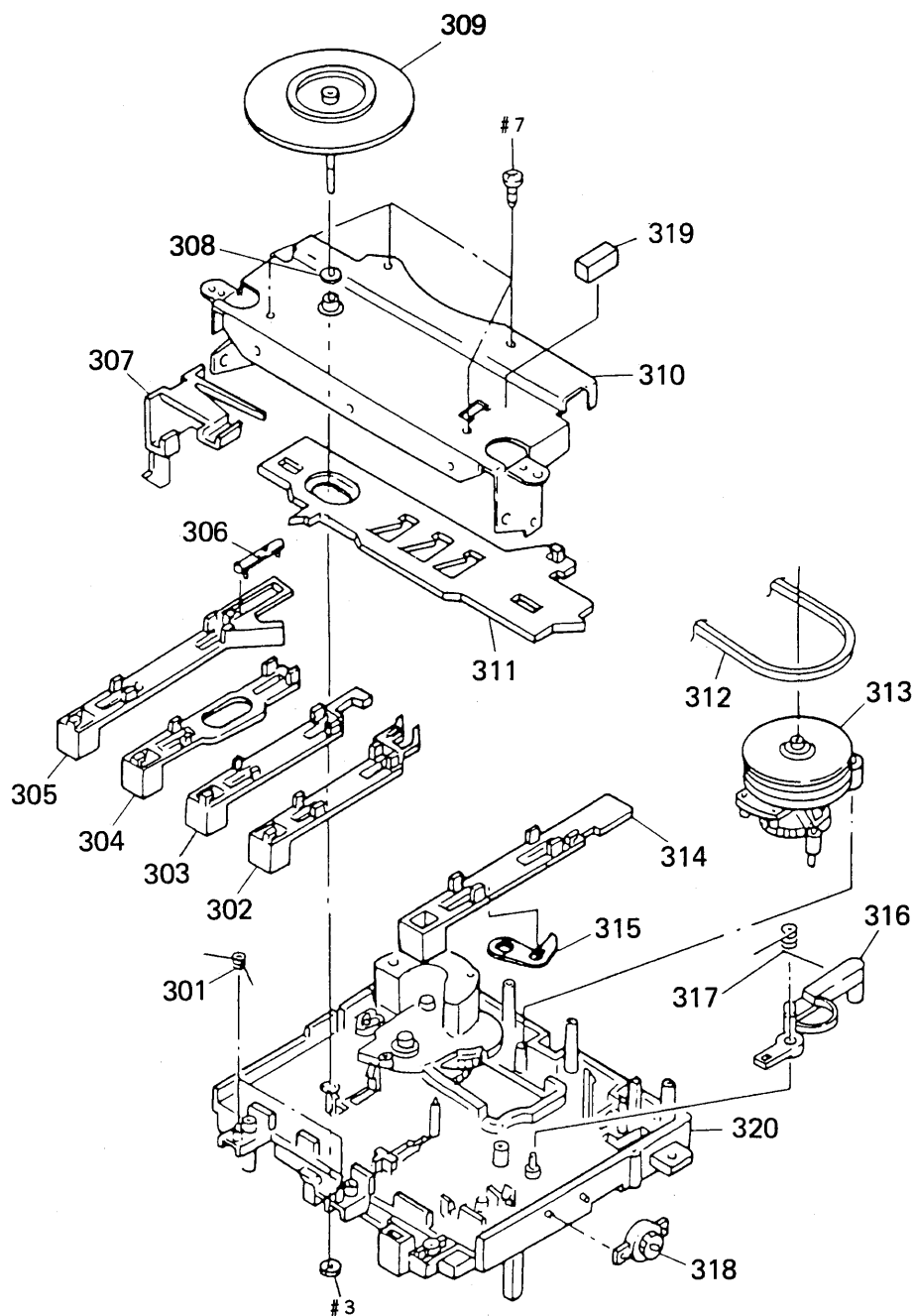
**6-6. MECHANISM DECK SECTION 1  
(TCM-180VW-H11)**



Ref. No.	Part No.	Description	Remark
251	3-358-287-01	SPRING (LOADING A), TORSION	
252	3-358-229-01	SPRING (LOADING), TORSION	
253	3-358-209-01	SPRING (CASSETTE HOLDER), LEAF	
254	3-358-266-02	HOLDER, CASSETTE	
255	3-371-917-01	SHAFT (BUTTON SHAFT 4)	
256	3-369-335-01	LEVER (BUTTON BASE F)	
* 257	1-640-702-11	LEAF SW (A) BOARD	
* 258	3-358-289-01	SPACER (VIBRATION PROOF MAT)	
259	3-358-203-01	LEVER (TRIGGER)	
260	3-358-202-01	SLIDER (TRIGGER)	
* 261	3-363-930-01	BRACKET (JOINT BASE)	

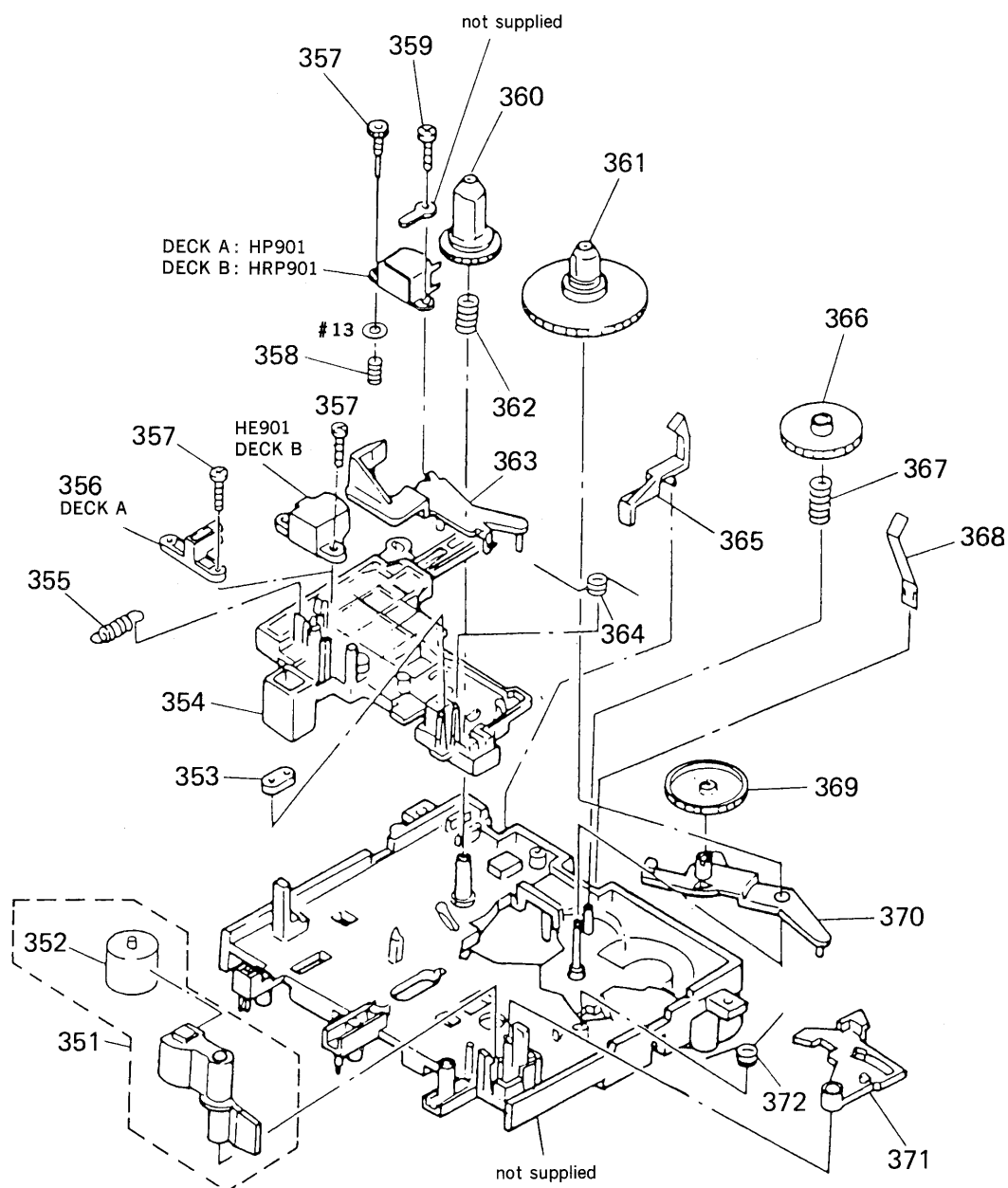
Ref. No.	Part No.	Description	Remark
262	4-951-620-01	SCREW (2.6X8), +BVTP	
263	3-364-777-01	BELT (WH)	
* 264	1-640-703-11	LEAF SW (B) BOARD	
* CN415	1-568-942-11	PIN, CONNECTOR 4P	
* CN416	1-568-943-11	PIN, CONNECTOR 5P	
M901	X-3362-377-1	MOTOR (WH) ASSY	
S1	1-571-736-11	SWITCH, LEAF (MOTOR) (DECK B)	
S2	1-571-736-11	SWITCH, LEAF (PLAY) (DECK B)	
S3	1-571-736-11	SWITCH, LEAF (REC) (DECK B)	
S4	1-571-736-11	SWITCH, LEAF (MOTOR) (DECK A)	
S5	1-571-736-11	SWITCH, LEAF (PLAY) (DECK A)	

**6-7. MECHANISM DECK SECTION 2**  
**(TCM-180VM-H11)**



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
301	3-358-232-01	SPRING (S-P F-R), TORSION		* 311	3-358-249-01	SLIDER (LOCK PLATE)	
302	3-358-258-01	SLIDER (REW)		312	3-358-230-01	BELT (A1)	
303	3-358-257-01	SLIDER (FF)		313	X-3358-202-1	LEVER (FR ARM) ASSY	
304	3-358-256-01	SLIDER (STOP/EJECT)		314	3-358-259-01	SLIDER (REC) (DECK B)	
305	3-358-260-01	SLIDER (PAUSE)		* 315	3-358-204-01	LEVER (REC SAFETY)	
* 306	3-358-226-01	LEVER (PAUSE LEVER)		316	3-358-286-01	LEVER (MOTOR LEVER)	
* 307	3-358-261-02	SLIDER (HOLDER LOCK)		317	3-358-214-01	SPRING (LOCK), TORSION	
308	3-701-437-01	WASHER		317	3-358-233-01	SPRING (REC-LOCK), TORSION (DECK B)	
309	X-3358-205-1	FLYWHEEL (A) ASSY (DECK B)		318	3-319-224-51	DAMPER, SMALL	
309	X-3366-859-1	FLYWHEEL (D) ASSY (DECK A)		* 319	3-358-289-01	SPACER (VIBRATION PROOF MAT)	
* 310	X-3358-208-1	BRACKET (B) ASSY		320	X-3358-207-2	CHASSIS (A) ASSY	

**6-8. MECHANISM DECK SECTION 3  
(TCM-180VM-H11)**



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	351	X-3358-204-1 LEVER (PINCH LEVER) ASSY			364	3-358-228-01 SPRING, TORSION	
	352	3-578-143-11 PINCH ROLLER		*	365	3-358-255-01 LEVER (GB LEVER) (DECK B)	
*	353	3-358-215-01 BUSHING (WIRE KIT RETAINER)		*	366	3-358-224-01 GEAR (FF GEAR)	
	354	3-358-265-01 SLIDER (HEAD PC BOARD A)			367	3-358-207-01 SPRING (FF GEAR), COMPRESSION	
	355	3-358-217-01 SPRING, TENSION			368	3-358-227-01 SPRING, LEAF	
*	356	3-363-931-01 GUIDE, TAPE (DECK A)		*	369	3-358-284-01 GEAR (TU GEAR)	
	357	3-358-288-11 SCREW (T), AZIMUTH		*	370	3-358-252-01 LEVER (TU ARM)	
	358	3-358-234-01 SPRING (AZIMUTH), COMPRESSION		*	371	3-358-253-01 LEVER (SHUT-OFF LEVER)	
	359	3-358-288-01 SCREW (T), AZIMUTH			372	3-358-243-01 SPRING (TU-SHUT), TORSION	
	360	3-358-248-01 GEAR (SUPPLY REEL)		HE901	1-543-673-11 HEAD, MAGNETIC (ERASE) (DECK B)		
	361	X-3358-203-1 TABLE (T) ASSY, REEL		HP901	1-543-319-11 HEAD, MAGNETIC (PB) (DECK A)		
	362	3-358-208-01 SPRING (SUPPLY), COMPRESSION		HRP901	1-543-319-11 HEAD, MAGNETIC (REC/PB) (DECK B)		
*	363	3-358-251-01 LEVER (TENSION DETECTION ARM)					



## SECTION 7 ELECTRICAL PARTS LIST

## NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

## ● SEMICONDUCTORS

In each case, u:  $\mu$ , for example:uA...:  $\mu$ A... uPA...:  $\mu$ PA...uPB...:  $\mu$ PB... uPC...:  $\mu$ PC... uPD...:  $\mu$ PD...

## ● CAPACITORS

uF:  $\mu$ F

## ● COILS

uH:  $\mu$ H

## ● Abbreviations

AEP1: AEP unit with no PHONO POWER

SOURCE

AEP2: AEP unit with PHONO POWER SOURCE

IT: Italian model

G: German model

MX: Mexican model

AUS: Australian model

When indicating parts by reference number, please include the board.

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark	
*	A-4673-064-A	BD BOARD, COMPLETE			C195	1-163-038-00	CERAMIC CHIP	0.1uF	25V
	*****				C196	1-163-005-11	CERAMIC CHIP	470PF	10% 50V
		< CAPACITOR >			C197	1-163-038-00	CERAMIC CHIP	0.1uF	25V
C101	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	< CONNECTOR >				
C102	1-163-038-00	CERAMIC CHIP	0.1uF	25V	* CN101	1-580-875-11	SOCKET, CONNECTOR (SMT)	26P	
C103	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	CN102	1-580-866-11	SOCKET, CONNECTOR (SMT)	12P	
C105	1-135-155-21	TANTALUM CHIP	4.7uF	10% 16V	< IC >				
C106	1-164-346-11	CERAMIC CHIP	1uF	16V	IC101	8-752-361-90	IC	CXD2515Q	
C107	1-164-505-11	CERAMIC CHIP	2.2uF	16V	IC102	8-759-176-09	IC	BA6392FP	
C108	1-163-035-00	CERAMIC CHIP	0.047uF	50V	IC103	8-752-367-61	IC	CXD2565AM-T6	
C109	1-163-011-11	CERAMIC CHIP	0.0015uF	10% 50V	< COIL >				
C110	1-163-017-00	CERAMIC CHIP	0.0047uF	5% 50V	L101	1-414-234-11	INDUCTOR, FERRITE BEAD		
C111	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	L102	1-414-234-11	INDUCTOR, FERRITE BEAD		
C112	1-163-038-00	CERAMIC CHIP	0.1uF	25V	L103	1-414-234-11	INDUCTOR, FERRITE BEAD		
C113	1-163-038-00	CERAMIC CHIP	0.1uF	25V	L104	1-216-001-00	METAL CHIP	10 5%	1/10W
C123	1-164-232-11	CERAMIC CHIP	0.01uF	50V	L105	1-216-295-00	METAL CHIP	0 5%	1/10W
C124	1-164-005-11	CERAMIC CHIP	0.47uF	25V	L106	1-414-234-11	INDUCTOR, FERRITE BEAD		
C131	1-163-038-00	CERAMIC CHIP	0.1uF	25V	L107	1-216-295-00	METAL CHIP	0 5%	1/10W
C132	1-163-038-00	CERAMIC CHIP	0.1uF	25V	L108	1-216-295-00	METAL CHIP	0 5%	1/10W
C133	1-163-038-00	CERAMIC CHIP	0.1uF	25V	< RESISTOR >				
C153	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R101	1-216-077-00	METAL CHIP	15K 5%	1/10W
C159	1-163-019-00	CERAMIC CHIP	0.0068uF	10% 50V	R102	1-216-097-00	METAL CHIP	100K 5%	1/10W
C161	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R103	1-216-077-00	METAL CHIP	15K 5%	1/10W
C177	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R104	1-216-085-00	METAL CHIP	33K 5%	1/10W
C178	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R105	1-216-065-00	METAL CHIP	4.7K 5%	1/10W
C179	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R106	1-216-061-00	METAL CHIP	3.3K 5%	1/10W
C181	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R107	1-216-061-00	METAL CHIP	3.3K 5%	1/10W
C182	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R108	1-216-073-00	METAL CHIP	10K 5%	1/10W
C183	1-135-156-21	TANTALUM CHIP	6.8uF	10% 10V	R109	1-216-121-00	METAL CHIP	1M 5%	1/10W
C184	1-135-156-21	TANTALUM CHIP	6.8uF	10% 10V	R110	1-216-025-00	METAL CHIP	100 5%	1/10W
C185	1-135-156-21	TANTALUM CHIP	6.8uF	10% 10V	R112	1-216-049-00	METAL CHIP	1K 5%	1/10W
C186	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R122	1-216-295-00	METAL CHIP	0 5%	1/10W
C187	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R123	1-216-073-00	METAL CHIP	10K 5%	1/10W
C188	1-163-038-00	CERAMIC CHIP	0.1uF	25V	R124	1-216-097-00	METAL CHIP	100K 5%	1/10W
C191	1-163-091-00	CERAMIC CHIP	8PF	50V	R125	1-216-049-00	METAL CHIP	1K 5%	1/10W
C192	1-163-091-00	CERAMIC CHIP	8PF	50V					
C193	1-163-125-00	CERAMIC CHIP	220PF	5% 50V					
C194	1-163-125-00	CERAMIC CHIP	220PF	5% 50V					

BD

CD LOWER

CD MAIN

Ref. No.	Part No.	Description	Remark		
R126	1-216-049-00	METAL CHIP	1K	5%	1/10W
R127	1-216-049-00	METAL CHIP	1K	5%	1/10W
R131	1-216-037-00	METAL CHIP	330	5%	1/10W
R158	1-216-111-00	METAL CHIP	390K	5%	1/10W
R159	1-216-101-00	METAL CHIP	150K	5%	1/10W
R181	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R182	1-216-080-00	METAL CHIP	20K	5%	1/10W
R183	1-216-080-00	METAL CHIP	20K	5%	1/10W
R184	1-216-080-00	METAL CHIP	20K	5%	1/10W
R185	1-216-080-00	METAL CHIP	20K	5%	1/10W
R187	1-216-035-00	METAL CHIP	270	5%	1/10W
R188	1-216-121-00	METAL CHIP	1M	5%	1/10W
R189	1-414-234-11	INDUCTOR, FERRITE BEAD			
< SWITCH >					
S101	1-572-085-11	SWITCH, LEAF (LIMIT)			
< VIBRATOR >					
X101	1-579-904-11	VIBRATOR, CRYSTAL (33.8MHz)			
*****					
*	1-650-502-11	CD LOWER BOARD			
*****					
< CONNECTOR >					
CN201	1-691-644-11	SOCKET, CONNECTOR 7P			
< RESISTOR >					
R201	1-249-418-11	CARBON	1.2K	5%	1/4W
R202	1-247-836-11	CARBON	1.6K	5%	1/4W
R203	1-249-421-11	CARBON	2.2K	5%	1/4W
R204	1-249-423-11	CARBON	3.3K	5%	1/4W
R205	1-249-426-11	CARBON	5.6K	5%	1/4W
R206	1-247-856-00	CARBON	11K	5%	1/4W
R207	1-249-418-11	CARBON	1.2K	5%	1/4W
R208	1-247-836-11	CARBON	1.6K	5%	1/4W
R209	1-249-421-11	CARBON	2.2K	5%	1/4W
< SWITCH >					
S201	1-554-303-21	SWITCH, TACTILE (PROGRAM (PLAY MODE))			
S202	1-554-303-21	SWITCH, TACTILE (SHUFFLE (PLAY MODE))			
S203	1-554-303-21	SWITCH, TACTILE (CONTINUE (PLAY MODE))			
S204	1-554-303-21	SWITCH, TACTILE (EDIT)			
S205	1-554-303-21	SWITCH, TACTILE (CLEAR)			
S206	1-554-303-21	SWITCH, TACTILE (CHECK)			
S207	1-554-303-21	SWITCH, TACTILE (MUSIC SCAN)			
S208	1-554-303-21	SWITCH, TACTILE (REPEAT)			
S209	1-554-303-21	SWITCH, TACTILE (TIME)			
*****					

Ref. No.	Part No.	Description	Remark		
*	A-4365-928-A	CD MAIN BOARD, COMPLETE			
*****					
	4-875-327-31	HEAT SINK			
	7-682-547-09	SCREW +BVTT 3X6 (S)			
< CAPACITOR >					
C306	1-126-059-11	ELECT	10uF	20%	50V
C307	1-126-163-11	ELECT	4.7uF	20%	50V
C308	1-124-472-11	ELECT	470uF	20%	10V
C309	1-124-473-11	ELECT	1000uF	20%	10V
C311	1-126-300-11	ELECT	0.47uF	20%	50V
C312	1-124-472-11	ELECT	470uF	20%	10V
C314	1-126-059-11	ELECT	10uF	20%	50V
C315	1-126-163-11	ELECT	4.7uF	20%	50V
C317	1-126-022-11	ELECT	47uF	20%	16V
C318	1-164-159-11	CERAMIC	0.1uF		50V
C320	1-161-494-00	CERAMIC	0.022uF		25V
C321	1-126-022-11	ELECT	47uF	20%	16V
C322	1-161-494-00	CERAMIC	0.022uF		25V
C323	1-164-159-11	CERAMIC	0.1uF		50V
C341	1-126-376-11	ELECT	470uF	20%	25V
C362	1-164-159-11	CERAMIC	0.1uF		50V
C364	1-164-159-11	CERAMIC	0.1uF		50V
C366	1-162-282-31	CERAMIC	100PF	10%	50V
C371	1-162-284-31	CERAMIC	150PF	10%	50V
C372	1-162-284-31	CERAMIC	150PF	10%	50V
C373	1-162-284-31	CERAMIC	150PF	10%	50V
C374	1-162-284-31	CERAMIC	150PF	10%	50V
C375	1-130-479-00	MYLAR	0.0047uF	5%	50V
C376	1-130-479-00	MYLAR	0.0047uF	5%	50V
C377	1-130-472-00	MYLAR	0.0012uF	5%	50V
C378	1-130-472-00	MYLAR	0.0012uF	5%	50V
C379	1-124-443-00	ELECT	100uF	20%	10V
C380	1-124-443-00	ELECT	100uF	20%	10V
C381	1-162-291-31	CERAMIC	560PF	10%	50V
C382	1-162-291-31	CERAMIC	560PF	10%	50V
< CONNECTOR >					
CN301	1-750-585-11	CONNECTOR, FFC/FPC 7P			
* CN303	1-568-943-11	PIN, CONNECTOR 5P			
CN305	1-750-997-11	CONNECTOR, FFC/FPC 5P			
CN306	1-764-415-11	CONNECTOR, FFC/FPC 26P			
* CN309	1-568-836-11	SOCKET, CONNECTOR 17P			
< DIODE >					
D321	8-719-987-63	DIODE 1N4148M			
D341	8-719-010-42	DIODE UZ-5.6BSB			

## CD MAIN

## CD UPPER

Ref. No.	Part No.	Description	Remark
< IC >			
IC302	8-759-061-65	IC LA5602	
IC304	8-759-805-37	IC L78LRO5D-MA	
IC305	8-759-605-00	IC M5F78M07L	
IC321	8-752-854-58	IC CXP82316-038Q	
IC341	8-759-172-31	IC BA6191	
IC371	8-759-145-58	IC uPC4558C	
IC372	8-759-145-58	IC uPC4558C	
< DIODE >			
JW304	8-719-200-82	DIODE 11ES2	
JW317	8-719-200-82	DIODE 11ES2	
JW427	8-719-987-63	DIODE 1N4148M	
JW428	8-719-987-63	DIODE 1N4148M	
< TRANSISTOR >			
Q302	8-729-900-65	TRANSISTOR DTA144ES	
Q303	8-729-900-89	TRANSISTOR DTC144ES	
Q322	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q341	8-729-900-89	TRANSISTOR DTC144ES	
Q352	8-729-900-65	TRANSISTOR DTA144ES	
Q353	8-729-900-65	TRANSISTOR DTA144ES	
< RESISTOR >			
R308	1-260-064-11	CARBON 1 5% 1/2W	
R313	1-249-417-11	CARBON 1K 5% 1/4W	
R321	1-249-429-11	CARBON 10K 5% 1/4W	
R322	1-249-429-11	CARBON 10K 5% 1/4W	
R323	1-249-417-11	CARBON 1K 5% 1/4W	
R324	1-249-428-11	CARBON 8.2K 5% 1/4W	
R325	1-249-428-11	CARBON 8.2K 5% 1/4W	
R326	1-249-428-11	CARBON 8.2K 5% 1/4W	
R327	1-249-428-11	CARBON 8.2K 5% 1/4W	
R328	1-249-428-11	CARBON 8.2K 5% 1/4W	
R329	1-249-428-11	CARBON 8.2K 5% 1/4W	
R333	1-249-417-11	CARBON 1K 5% 1/4W	
R334	1-249-425-11	CARBON 4.7K 5% 1/4W	
R335	1-249-429-11	CARBON 10K 5% 1/4W	
R336	1-249-429-11	CARBON 10K 5% 1/4W	
R338	1-249-425-11	CARBON 4.7K 5% 1/4W	
R339	1-249-425-11	CARBON 4.7K 5% 1/4W	
R340	1-249-425-11	CARBON 4.7K 5% 1/4W	
R341	1-247-876-11	CARBON 75K 5% 1/4W	
R342	1-247-876-11	CARBON 75K 5% 1/4W	
R343	1-247-876-11	CARBON 75K 5% 1/4W	
R344	1-247-876-11	CARBON 75K 5% 1/4W	
R345	1-249-423-11	CARBON 3.3K 5% 1/4W	
R346	1-249-424-11	CARBON 3.9K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R347	1-249-415-11	CARBON 680 5% 1/4W	
R348	1-247-834-11	CARBON 1.3K 5% 1/4W	
R349	1-249-428-11	CARBON 8.2K 5% 1/4W	
R350	1-247-862-11	CARBON 20K 5% 1/4W	
R359	1-249-417-11	CARBON 1K 5% 1/4W	
R360	1-249-417-11	CARBON 1K 5% 1/4W	
R361	1-249-429-11	CARBON 10K 5% 1/4W	
R363	1-249-417-11	CARBON 1K 5% 1/4W	
R365	1-249-417-11	CARBON 1K 5% 1/4W	
R366	1-249-417-11	CARBON 1K 5% 1/4W	
R367	1-249-417-11	CARBON 1K 5% 1/4W	
R368	1-249-417-11	CARBON 1K 5% 1/4W	
R371	1-247-852-11	CARBON 7.5K 5% 1/4W	
R372	1-247-852-11	CARBON 7.5K 5% 1/4W	
R373	1-247-852-11	CARBON 7.5K 5% 1/4W	
R374	1-247-852-11	CARBON 7.5K 5% 1/4W	
R375	1-249-431-11	CARBON 15K 5% 1/4W	
R376	1-249-431-11	CARBON 15K 5% 1/4W	
R377	1-249-431-11	CARBON 15K 5% 1/4W	
R378	1-249-431-11	CARBON 15K 5% 1/4W	
R379	1-249-419-11	CARBON 1.5K 5% 1/4W	
R380	1-249-419-11	CARBON 1.5K 5% 1/4W	
R381	1-249-419-11	CARBON 1.5K 5% 1/4W	
R382	1-249-419-11	CARBON 1.5K 5% 1/4W	
R383	1-249-441-11	CARBON 100K 5% 1/4W	
R384	1-249-441-11	CARBON 100K 5% 1/4W	
R385	1-249-421-11	CARBON 2.2K 5% 1/4W	
R386	1-249-421-11	CARBON 2.2K 5% 1/4W	
R389	1-247-807-31	CARBON 100 5% 1/4W	
R390	1-247-807-31	CARBON 100 5% 1/4W	
< VIBRATOR >			
X321	1-579-175-11	VIBRATOR, CERAMIC (10MHz)	
*****			
*	1-650-501-11	CD UPPER BOARD	
*****			
< DIODE >			
D201	8-719-313-72	LED SEL3810A-CD (H)	
D202	8-719-313-66	LED SEL3410E-TH12 (D)	
< RESISTOR >			
R210	1-249-423-11	CARBON 3.3K 5% 1/4W	
R211	1-249-426-11	CARBON 5.6K 5% 1/4W	
R212	1-247-856-00	CARBON 11K 5% 1/4W	
R213	1-249-418-11	CARBON 1.2K 5% 1/4W	
R214	1-247-836-11	CARBON 1.6K 5% 1/4W	
R215	1-249-421-11	CARBON 2.2K 5% 1/4W	

## CD UPPER

## H. P.

## LEAF SW (A)

## LEAF SW (B)

## LOADING MOTOR

## MAIN

Ref. No.	Part No.	Description	Remark		
R216	1-249-423-11	CARBON	3.3K	5%	1/4W
R217	1-249-426-11	CARBON	5.6K	5%	1/4W
R218	1-247-856-00	CARBON	11K	5%	1/4W
R219	1-249-411-11	CARBON	330	5%	1/4W
R220	1-249-410-11	CARBON	270	5%	1/4W
< SWITCH >					
S210	1-554-303-21	SWITCH, TACTILE (1 (DISC SELECT))			
S211	1-554-303-21	SWITCH, TACTILE (2 (DISC SELECT))			
S212	1-554-303-21	SWITCH, TACTILE (3 (DISC SELECT))			
S213	1-554-303-21	SWITCH, TACTILE (4 (DISC SELECT))			
S214	1-554-303-21	SWITCH, TACTILE (5 (DISC SELECT))			
S215	1-554-303-21	SWITCH, TACTILE (◀◀ (AMS))			
S216	1-554-303-21	SWITCH, TACTILE (▶▶ (AMS))			
S217	1-554-303-21	SWITCH, TACTILE (▷)			
S218	1-554-303-21	SWITCH, TACTILE (◻)			
S219	1-554-303-21	SWITCH, TACTILE (■)			
S220	1-554-303-21	SWITCH, TACTILE (DISC SKIP)			
S221	1-554-303-21	SWITCH, TACTILE (⊞ OPEN/CLOSE)			
*****					
*	1-650-503-11	H. P. BOARD			
*****					
< CAPACITOR >					
C1237	1-162-282-31	CERAMIC	100PF	10%	50V
C1238	1-162-282-31	CERAMIC	100PF	10%	50V
< JACK >					
CNJ1201	1-569-113-11	JACK, LARGE TYPE (HEADPHONES)			
*****					
*	1-640-702-11	LEAF SW (A) BOARD			
*****					
< CAPACITOR >					
C544	1-164-159-11	CERAMIC	0.1uF		50V
< CONNECTOR >					
* CN415	1-568-942-11	PIN, CONNECTOR 4P			
< SWITCH >					
S4	1-571-736-11	SWITCH, LEAF (MOTOR)			
S5	1-571-736-11	SWITCH, LEAF (PLAY)			
*****					

Ref. No.	Part No.	Description	Remark		
*	1-640-703-11	LEAF SW (B) BOARD *****			
		< CAPACITOR >			
C545	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
* CN416	1-568-943-11	PIN, CONNECTOR 5P  < SWITCH >			
S1	1-571-736-11	SWITCH, LEAF (MOTOR)			
S2	1-571-736-11	SWITCH, LEAF (PLAY)			
S3	1-571-736-11	SWITCH, LEAF (REC)			
*****					
*	1-639-288-11	LOADING MOTOR BOARD *****			
		< CAPACITOR >			
C705	1-161-375-00	CERAMIC	0.0022uF	20%	50V
*****					
*	A-4365-904-A	MAIN BOARD, COMPLETE (AEP2)			
*	A-4365-925-A	MAIN BOARD, COMPLETE (E, AUS, MX, PX)			
*	A-4365-937-A	MAIN BOARD, COMPLETE (US)			
*	A-4369-078-A	MAIN BOARD, COMPLETE (UK)			
*	A-4369-094-A	MAIN BOARD, COMPLETE (AEP1)			
*	A-4369-098-A	MAIN BOARD, COMPLETE (IT)			
*	A-4369-258-A	MAIN BOARD, COMPLETE (Canadian)			
*	A-4369-605-A	MAIN BOARD, COMPLETE (G) *****			
		< CAPACITOR >			
C1	1-161-379-00	CERAMIC	0.01uF	20%	25V
C2	1-124-477-11	ELECT	47uF	20%	25V
C3	1-161-379-00	CERAMIC	0.01uF	20%	25V
C4	1-161-379-00	CERAMIC	0.01uF	20%	25V
C5	1-161-379-00	CERAMIC (E, AUS, MX, PX)	0.01uF	20%	25V
C5	1-164-159-11	CERAMIC (EXCEPT E, AUS, MX, PX)	0.1uF		50V
C6	1-161-379-00	CERAMIC	0.01uF	20%	25V
C7	1-124-477-11	ELECT	47uF	20%	25V
C8	1-161-379-00	CERAMIC	0.01uF	20%	25V
C9	1-161-379-00	CERAMIC	0.01uF	20%	25V
C10	1-161-379-00	CERAMIC	0.01uF	20%	25V
C11	1-124-907-11	ELECT	10uF	20%	50V
C12	1-124-902-00	ELECT	0.47uF	20%	50V
C13	1-124-903-11	ELECT	1uF	20%	50V
C14	1-124-903-11	ELECT	1uF	20%	50V

# MAIN

Ref. No.	Part No.	Description	Remark
C15	1-124-907-11	ELECT 10uF 20% 50V	
C16	1-124-907-11	ELECT 10uF 20% 50V	
C17	1-124-907-11	ELECT 10uF 20% 50V	
C18	1-124-907-11	ELECT 10uF 20% 50V	
C19	1-136-158-00	FILM 0.027uF 5% 50V (EXCEPT US, Canadian, G, IT)	
C19	1-136-159-00	FILM 0.033uF 5% 50V (G, IT)	
C19	1-136-160-00	FILM 0.039uF 5% 50V (US, Canadian)	
C20	1-136-158-00	FILM 0.027uF 5% 50V (EXCEPT US, Canadian, G, IT)	
C20	1-136-159-00	FILM 0.033uF 5% 50V (G, IT)	
C20	1-136-160-00	FILM 0.039uF 5% 50V (US, Canadian)	
C21	1-161-046-00	CERAMIC 0.0039uF 10% 25V	
C22	1-161-046-00	CERAMIC 0.0039uF 10% 25V	
C23	1-124-903-11	ELECT 1uF 20% 50V	
C24	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C25	1-161-327-00	CERAMIC 0.0033uF 30% 16V	
C26	1-124-477-11	ELECT 47uF 20% 25V	
C27	1-126-962-11	ELECT 3.3uF 20% 50V	
C28	1-161-494-00	CERAMIC 0.022uF 25V	
C29	1-124-907-11	ELECT 10uF 20% 50V	
C30	1-161-494-00	CERAMIC 0.022uF 25V	
C31	1-101-005-00	CERAMIC 22000PF 50V	
C32	1-162-196-31	CERAMIC 5.6PF 10% 50V (AEP, UK)	
C32	1-162-198-31	CERAMIC 8.2PF 10% 50V (EXCEPT AEP, UK)	
C33	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C34	1-164-159-11	CERAMIC 0.1uF 50V (AEP, UK)	
C37	1-161-374-11	CERAMIC 0.0015uF 20% 50V (AEP, UK)	
C38	1-102-120-00	CERAMIC 0.0018uF 10% 50V (AEP, UK)	
C39	1-101-005-00	CERAMIC 22000PF 50V (AEP, UK)	
C45	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C51	1-102-961-00	CERAMIC 27PF 5% 50V	
C52	1-102-961-00	CERAMIC 27PF 5% 50V	
C53	1-124-477-11	ELECT 47uF 20% 25V	
C54	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C55	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C56	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C57	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C58	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C61	1-124-925-11	ELECT 2.2uF 20% 100V	
C62	1-124-463-00	ELECT 0.1uF 20% 50V	

Ref. No.	Part No.	Description	Remark
C63	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C64	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C65	1-124-477-11	ELECT 47uF 20% 25V	
C67	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C71	1-136-173-00	FILM 0.47uF 5% 50V (AEP, UK)	
C72	1-161-494-00	CERAMIC 0.022uF 25V (AEP, UK)	
C73	1-124-463-00	ELECT 0.1uF 20% 50V (AEP, UK)	
C1001	1-124-257-00	ELECT 2.2uF 20% 50V	
C1002	1-162-282-31	CERAMIC 100PF 10% 50V	
C1003	1-162-282-31	CERAMIC 100PF 10% 50V	
C1004	1-124-477-11	ELECT 47uF 20% 25V	
C1005	1-161-377-00	CERAMIC 0.0047uF 20% 16V	
C1006	1-161-374-11	CERAMIC 0.0015uF 20% 50V	
C1007	1-124-464-11	ELECT 0.22uF 20% 50V	
C1008	1-124-477-11	ELECT 47uF 20% 25V (G, IT)	
C1010	1-124-477-11	ELECT 47uF 20% 25V	
C1025	1-162-286-31	CERAMIC 220PF 10% 50V (G, IT)	
C1026	1-162-219-31	CERAMIC 68PF 5% 50V (G, IT)	
C1041	1-162-290-31	CERAMIC 470PF 10% 50V (G, IT)	
C1051	1-124-257-00	ELECT 2.2uF 20% 50V	
C1052	1-162-282-31	CERAMIC 100PF 10% 50V	
C1053	1-162-282-31	CERAMIC 100PF 10% 50V	
C1054	1-124-477-11	ELECT 47uF 20% 25V	
C1055	1-161-377-00	CERAMIC 0.0047uF 20% 16V	
C1056	1-161-374-11	CERAMIC 0.0015uF 20% 50V	
C1057	1-124-464-11	ELECT 0.22uF 20% 50V	
C1058	1-124-477-11	ELECT 47uF 20% 25V (G, IT)	
C1060	1-124-477-11	ELECT 47uF 20% 25V	
C1075	1-162-286-31	CERAMIC 220PF 10% 50V (G, IT)	
C1076	1-162-219-31	CERAMIC 68PF 5% 50V (G, IT)	
C1091	1-162-290-31	CERAMIC 470PF 10% 50V (G, IT)	
C1221	1-126-101-11	ELECT 100uF 20% 16V	
C1222	1-126-176-11	ELECT 220uF 20% 10V	
C1223	1-126-176-11	ELECT 220uF 20% 10V	
C1245	1-101-006-00	CERAMIC 0.047uF 50V (G, IT)	
C1245	1-164-097-11	CERAMIC 0.022uF 50V (AEP, UK)	
C1246	1-101-006-00	CERAMIC 0.047uF 50V (G, IT)	

Ref. No.	Part No.	Description		Remark
C1246	1-164-097-11	CERAMIC (AEP, UK)	0.022uF	50V
C1247	1-101-006-00	CERAMIC (G, IT)	0.047uF	50V
C1247	1-164-097-11	CERAMIC (AEP, UK)	0.022uF	50V
C1248	1-101-006-00	CERAMIC (G, IT)	0.047uF	50V
C1248	1-164-097-11	CERAMIC (AEP, UK)	0.022uF	50V
C1249	1-161-494-00	CERAMIC (G, IT)	0.022uF	25V
C1250	1-161-494-00	CERAMIC (G, IT)	0.022uF	25V
C1302	1-102-394-11	CERAMIC	0.01uF	250V
C1304	1-126-974-11	ELECT (A295)	3300uF	20% 50V
C1304	1-128-493-11	ELECT (D550)	4700uF	20% 71V
C1305	1-126-974-11	ELECT (A295)	3300uF	20% 50V
C1305	1-128-493-11	ELECT (D550)	4700uF	20% 71V
C1306	1-124-477-11	ELECT	47uF	20% 25V
C1308	1-126-101-11	ELECT	100uF	20% 16V
C1309	1-126-101-11	ELECT	100uF	20% 16V
C1312	1-124-563-11	ELECT	2200uF	20% 25V
C1313	1-126-946-11	ELECT	6800uF	20% 25V
C1314	1-124-122-11	ELECT	100uF	20% 50V
C1315	1-124-907-11	ELECT	10uF	20% 50V
C1316	1-124-910-11	ELECT	47uF	20% 50V
C1319	1-124-463-00	ELECT	0.1uF	20% 50V
C1320	1-124-907-11	ELECT	10uF	20% 50V
C1321	1-161-379-00	CERAMIC	0.01uF	20% 25V
C1322	1-161-379-00	CERAMIC	0.01uF	20% 25V
C1324	1-124-907-11	ELECT	10uF	20% 50V
C1326	1-124-907-11	ELECT	10uF	20% 50V
C1330	1-126-101-11	ELECT	100uF	20% 16V
C1331	1-102-394-11	CERAMIC	0.01uF	250V
C1335	1-124-907-11	ELECT (AEP2, UK, G)	10uF	20% 50V
C1336	1-126-101-11	ELECT (AEP2, UK, G)	100uF	20% 16V
C1340	1-124-556-11	ELECT	2200uF	20% 16V
C1341	1-124-907-11	ELECT	10uF	20% 50V
C1346	1-124-925-11	ELECT	2.2uF	20% 100V
C1351	1-124-122-11	ELECT	100uF	20% 50V
C1352	1-126-105-11	ELECT	1000uF	20% 35V
C1353	1-136-165-00	FILM	0.1uF	5% 50V
C1354	1-136-165-00	FILM	0.1uF	5% 50V
C1361	1-124-122-11	ELECT	100uF	20% 50V

Ref. No.	Part No.	Description		Remark
C1380	1-164-159-11	CERAMIC	0.1uF	50V
< FILTER >				
CF1	1-567-389-11	FILTER, CERAMIC		
CF2	1-567-389-11	FILTER, CERAMIC		
CF3	1-567-389-11	FILTER, CERAMIC (G, IT)		
CF4	1-527-981-00	FILTER, CERAMIC		
CF5	1-577-075-11	OSCILLATOR, CERAMIC		
CF6	1-760-220-11	FILTER, CERAMIC		
< CONNECTOR >				
* CN1	1-568-830-11	SOCKET, CONNECTOR 11P		
* CN1201	1-537-327-11	TERMINAL BOARD (SPEAKER) (EXCEPT E, AUS, MX, PX)		
* CN1201	1-537-327-21	TERMINAL BOARD (SPEAKER) (E, AUS, MX, PX)		
CN1204	1-564-511-11	PLUG, CONNECTOR 8P		
* CN1205	1-564-509-11	PLUG, CONNECTOR 6P		
* CN1206	1-568-839-11	SOCKET, CONNECTOR 23P		
* CN1208	1-568-836-11	SOCKET, CONNECTOR 17P		
* CN1211	1-564-507-11	PLUG, CONNECTOR 4P		
CN1231	1-506-468-11	PIN, CONNECTOR 3P		
* CN1301	1-564-513-11	PLUG, CONNECTOR 10P		
* CN1302	1-566-210-11	PIN, CONNECTOR 3P (POWER SOURCE) (AEP2, UK, G)		
< DIODE >				
D1	8-719-987-63	DIODE 1N4148M		
D1202	8-719-815-85	DIODE 1S1585 (D550)		
D1202	8-719-987-63	DIODE 1N4148M (A295)		
D1204	8-719-815-85	DIODE 1S1585 (D550)		
D1204	8-719-987-63	DIODE 1N4148M (A295)		
D1301	8-719-302-38	DIODE RBV-602-01 (D550)		
D1301	8-719-312-09	DIODE RBA-402 (A295)		
D1302	8-719-200-82	DIODE 11ES2		
D1303	8-719-200-82	DIODE 11ES2		
D1304	8-719-200-82	DIODE 11ES2		
D1305	8-719-200-82	DIODE 11ES2		
D1306	8-719-001-42	DIODE UZL-11M1		
D1307	8-719-200-82	DIODE 11ES2		
D1308	8-719-002-60	DIODE UZL-33L		
D1309	8-719-014-66	DIODE UZP-5.6B		
D1310	8-719-987-63	DIODE 1N4148M		
D1311	8-719-200-82	DIODE 11ES2		
D1312	8-719-200-82	DIODE 11ES2		
D1313	8-719-200-82	DIODE 11ES2		
D1314	8-719-200-82	DIODE 11ES2		
D1315	8-719-815-85	DIODE 1S1585 (D550)		
D1315	8-719-987-63	DIODE 1N4148M (A295)		

# MAIN

Ref. No.	Part No.	Description	Remark
D1316	8-719-815-85	DIODE 1S1585 (D550)	
D1316	8-719-987-63	DIODE 1N4148M (A295)	
D1317	8-719-200-82	DIODE 11ES2	
D1318	8-719-200-82	DIODE 11ES2	
D1385	8-719-200-82	DIODE 11ES2	
< FRONT END >			
FE1	1-465-007-11	FRONT END (4 GANG) (G, IT)	
FE1	1-465-673-11	FRONT END (2 BAND) (US, Canadian, UK)	
FE1	1-693-090-31	FRONT END (FM) (2 GANG) (AEP, E, AUS, MX, PX)	
FE2	1-239-260-11	ENCAPSULATED COMPONENT (E, G, IT, AUS, MX, PX)	
FE2	1-239-261-12	ENCAPSULATED COMPONENT (AEP, UK)	
FE2	1-239-634-11	ENCAPSULATED COMPONENT, AM. RF (US, Canadian)	
FE3	1-236-463-11	ENCAPSULATED COMPONENT (AEP, UK)	
< IC >			
IC1	8-759-176-03	IC LA1835	
IC51	8-759-175-87	IC LC7218-ST	
IC1001	8-759-634-51	IC M5218AP	
IC1002	8-759-000-48	IC MC14052BCP	
IC1003	8-759-634-51	IC M5218AP	
IC1004	8-759-000-49	IC MC14066BCP	
IC1202	8-759-111-68	IC uPC1237HA	
IC1303	8-759-605-00	IC M5F78M07L	
IC1304	8-759-604-95	IC M5F79M07L	
IC1305	8-759-820-13	IC L78MR06	
IC1306	8-759-231-58	IC TA7812S (AEP2, UK, G)	
< IFT >			
IFT1	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)	
< JACK >			
* J1001	1-580-912-11	JACK, PIN 4P (PHONO/VIDEO) (EXCEPT E, AUS, MX, PX)	
* J1001	1-580-912-21	JACK, PIN 4P (PHONO/VIDEO) (E, AUS, MX, PX)	
J1202	1-569-130-11	JACK, PIN 2P (SURROUND SPEAKER) (EXCEPT US, Canadian)	
< COIL >			
L1	1-407-500-00	INDUCTOR 4.7mH (AEP, UK)	
L1	1-410-688-31	INDUCTOR 1.5mH (EXCEPT AEP, UK)	
L2	1-410-525-11	INDUCTOR 220uH (AEP, UK)	
L1201	1-420-872-00	COIL, AIR CORE	
L1251	1-420-872-00	COIL, AIR CORE	
L1301	1-408-117-00	INDUCTOR 10uH (G)	

Ref. No.	Part No.	Description	Remark
L1302	1-408-117-00	INDUCTOR 10uH (G)	
< FILTER >			
LPF1	1-239-597-11	FILTER, LOW PASS	
LPF2	1-239-597-11	FILTER, LOW PASS	
< TRANSISTOR >			
Q1	8-729-230-99	TRANSISTOR 2SC2669-0Y	
Q2	8-729-201-53	TRANSISTOR 2SA1015-GR (G, IT)	
Q3	8-729-119-76	TRANSISTOR 2SA1175-HFE (AEP, UK)	
Q4	8-729-119-76	TRANSISTOR 2SA1175-HFE (AEP, UK)	
Q5	8-729-900-80	TRANSISTOR DTC114ES (AEP, UK)	
Q6	8-729-900-80	TRANSISTOR DTC114ES (AEP, UK)	
Q7	8-729-900-80	TRANSISTOR DTC114ES (AEP, UK)	
Q8	8-729-900-80	TRANSISTOR DTC114ES (AEP, UK)	
Q55	8-729-900-61	TRANSISTOR DTA114ES	
Q61	8-729-202-67	TRANSISTOR 2SK246-GR3	
Q62	8-729-201-84	TRANSISTOR 2SC3112-B	
Q71	8-729-202-67	TRANSISTOR 2SK246-GR3 (AEP, UK)	
Q72	8-729-201-84	TRANSISTOR 2SC3112-B (AEP, UK)	
Q1001	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1006	8-729-900-36	TRANSISTOR DTC124ES	
Q1007	8-729-900-63	TRANSISTOR DTA124ES	
Q1008	8-729-900-36	TRANSISTOR DTC124ES	
Q1051	8-729-119-78	TRANSISTOR 2SC2785-HFE (A295)	
Q1204	8-729-900-63	TRANSISTOR DTA124ES	
Q1301	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q1302	8-729-209-15	TRANSISTOR 2SD2012	
Q1381	8-729-900-80	TRANSISTOR DTC114ES	
Q1382	8-729-900-61	TRANSISTOR DTA114ES	
Q1383	8-729-900-80	TRANSISTOR DTC114ES	
< RESISTOR >			
R1	1-249-411-11	CARBON 330 5% 1/4W	
R2	1-249-411-11	CARBON 330 5% 1/4W	
R3	1-249-409-11	CARBON 220 5% 1/4W	
△R4	1-249-402-11	CARBON 56 5% 1/4W F	
R5	1-247-891-00	CARBON 330K 5% 1/4W	
R6	1-249-411-11	CARBON 330 5% 1/4W	
R7	1-247-891-00	CARBON 330K 5% 1/4W (G, IT)	
R8	1-249-411-11	CARBON 330 5% 1/4W (G, IT)	
△R9	1-249-405-11	CARBON 100 5% 1/4W F	
R10	1-249-437-11	CARBON 47K 5% 1/4W	
R12	1-249-429-11	CARBON 10K 5% 1/4W	
R13	1-249-442-11	CARBON 510 5% 1/4W	
△R14	1-249-403-11	CARBON 68 5% 1/4W F	
R16	1-249-429-11	CARBON 10K 5% 1/4W	
R17	1-247-842-11	CARBON 3K 5% 1/4W	

The components identified by mark △ or dotted line with mark. △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark		
R18	1-249-429-11	CARBON	10K	5%	1/4W
R19	1-249-441-11	CARBON	100K	5%	1/4W
R20	1-249-435-11	CARBON	33K	5%	1/4W
R21	1-249-441-11	CARBON	100K	5%	1/4W
R22	1-249-437-11	CARBON	47K	5%	1/4W
R23	1-249-399-11	CARBON	33	5%	1/4W
R24	1-249-425-11	CARBON (AEP, UK)	4.7K	5%	1/4W
R25	1-249-429-11	CARBON (AEP, UK)	10K	5%	1/4W
R26	1-249-429-11	CARBON (AEP, UK)	10K	5%	1/4W
R27	1-249-429-11	CARBON (AEP, UK)	10K	5%	1/4W
R30	1-249-429-11	CARBON (AEP, UK)	10K	5%	1/4W
R31	1-249-429-11	CARBON (AEP, UK)	10K	5%	1/4W
R32	1-249-433-11	CARBON (AEP, UK)	22K	5%	1/4W
R33	1-247-903-00	CARBON (AEP, UK)	1M	5%	1/4W
R34	1-249-437-11	CARBON (AEP, UK)	47K	5%	1/4W
R35	1-249-423-11	CARBON	3.3K	5%	1/4W
R36	1-249-423-11	CARBON	3.3K	5%	1/4W
R45	1-249-426-11	CARBON	5.6K	5%	1/4W
R46	1-249-426-11	CARBON	5.6K	5%	1/4W
R48	1-249-423-11	CARBON	3.3K	5%	1/4W
R49	1-249-429-11	CARBON	10K	5%	1/4W
△R50	1-249-401-11	CARBON	47	5%	1/4W F
R51	1-249-417-11	CARBON	1K	5%	1/4W
R52	1-249-417-11	CARBON	1K	5%	1/4W
R53	1-249-417-11	CARBON	1K	5%	1/4W
R54	1-249-417-11	CARBON	1K	5%	1/4W
R56	1-249-425-11	CARBON	4.7K	5%	1/4W
R57	1-249-417-11	CARBON	1K	5%	1/4W
R58	1-249-417-11	CARBON	1K	5%	1/4W
△R60	1-249-405-11	CARBON	100	5%	1/4W F
R61	1-249-423-11	CARBON	3.3K	5%	1/4W
R62	1-249-425-11	CARBON	4.7K	5%	1/4W
R63	1-249-414-11	CARBON	560	5%	1/4W
R64	1-249-417-11	CARBON	1K	5%	1/4W
R65	1-249-410-11	CARBON	270	5%	1/4W
R66	1-249-421-11	CARBON	2.2K	5%	1/4W
R67	1-249-425-11	CARBON	4.7K	5%	1/4W
R68	1-249-425-11	CARBON	4.7K	5%	1/4W
R69	1-247-807-31	CARBON	100	5%	1/4W
R71	1-249-423-11	CARBON (AEP, UK)	3.3K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R72	1-249-433-11	CARBON (AEP, UK)	22K	5%	1/4W
R73	1-249-414-11	CARBON (AEP, UK)	560	5%	1/4W
R74	1-249-417-11	CARBON (AEP, UK)	1K	5%	1/4W
R75	1-249-410-11	CARBON (AEP, UK)	270	5%	1/4W
R76	1-249-421-11	CARBON (AEP, UK)	2.2K	5%	1/4W
R77	1-249-425-11	CARBON (AEP, UK)	4.7K	5%	1/4W
R78	1-247-807-31	CARBON (AEP, UK)	100	5%	1/4W
R1001	1-249-417-11	CARBON	1K	5%	1/4W
R1002	1-249-437-11	CARBON	47K	5%	1/4W
R1003	1-249-416-11	CARBON	820	5%	1/4W
R1004	1-247-897-11	CARBON	560K	5%	1/4W
R1005	1-249-437-11	CARBON	47K	5%	1/4W
R1006	1-249-409-11	CARBON	220	5%	1/4W
R1007	1-249-441-11	CARBON	100K	5%	1/4W
R1008	1-249-409-11	CARBON	220	5%	1/4W (G, IT)
R1010	1-249-417-11	CARBON	1K	5%	1/4W
R1016	1-249-437-11	CARBON	47K	5%	1/4W
R1017	1-249-437-11	CARBON	47K	5%	1/4W
R1021	1-249-434-11	CARBON	27K	5%	1/4W
R1023	1-249-434-11	CARBON	27K	5%	1/4W
R1024	1-249-417-11	CARBON	1K	5%	1/4W (G, IT)
R1031	1-249-433-11	CARBON	22K	5%	1/4W
R1032	1-249-417-11	CARBON	1K	5%	1/4W
R1033	1-249-433-11	CARBON	22K	5%	1/4W
R1034	1-249-425-11	CARBON	4.7K	5%	1/4W
R1035	1-249-433-11	CARBON	22K	5%	1/4W
R1037	1-249-437-11	CARBON	47K	5%	1/4W
R1041	1-249-417-11	CARBON	1K	5%	1/4W
R1042	1-249-441-11	CARBON	100K	5%	1/4W
R1051	1-249-417-11	CARBON	1K	5%	1/4W
R1052	1-249-437-11	CARBON	47K	5%	1/4W
R1053	1-249-416-11	CARBON	820	5%	1/4W
R1054	1-247-897-11	CARBON	560K	5%	1/4W
R1055	1-249-437-11	CARBON	47K	5%	1/4W
R1056	1-249-409-11	CARBON	220	5%	1/4W
R1057	1-249-441-11	CARBON	100K	5%	1/4W
R1058	1-249-409-11	CARBON	220	5%	1/4W (G, IT)
R1060	1-249-417-11	CARBON	1K	5%	1/4W
R1071	1-249-434-11	CARBON	27K	5%	1/4W
R1073	1-249-434-11	CARBON (EXCEPT E, AUS, MX, PX)	27K	5%	1/4W
R1074	1-249-417-11	CARBON	1K	5%	1/4W (G, IT)
R1084	1-249-425-11	CARBON	4.7K	5%	1/4W

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# MAIN

Ref. No.	Part No.	Description	Remark		
R1085	1-249-433-11	CARBON	22K	5%	1/4W
R1087	1-249-437-11	CARBON	47K	5%	1/4W
R1091	1-249-417-11	CARBON	1K	5%	1/4W
R1092	1-249-441-11	CARBON	100K	5%	1/4W
R1220	1-249-393-11	CARBON (A295)	10	5%	1/4W
R1220	1-249-397-11	CARBON (D550)	22	5%	1/4W
R1221	1-249-397-11	CARBON (D550)	22	5%	1/4W
R1222	1-249-415-11	CARBON (A295)	680	5%	1/4W
R1222	1-249-419-11	CARBON (D550)	1.5K	5%	1/4W
R1223	1-249-415-11	CARBON (A295)	680	5%	1/4W
R1223	1-249-419-11	CARBON (D550)	1.5K	5%	1/4W
△R1226	1-216-454-11	METAL OXIDE (A295)	390	5%	2W F
△R1226	1-216-481-11	METAL OXIDE (D550)	1.2K	5%	3W F
R1233	1-247-854-11	CARBON (D550)	9.1K	5%	1/4W
R1233	1-249-425-11	CARBON (A295)	4.7K	5%	1/4W
R1234	1-247-854-11	CARBON (D550)	9.1K	5%	1/4W
R1234	1-249-425-11	CARBON (A295)	4.7K	5%	1/4W
R1235	1-249-435-11	CARBON (A295)	33K	5%	1/4W
R1235	1-249-437-11	CARBON (D550)	47K	5%	1/4W
R1236	1-249-441-11	CARBON	100K	5%	1/4W
R1237	1-249-429-11	CARBON	10K	5%	1/4W
R1240	1-249-438-11	CARBON	56K	5%	1/4W
R1241	1-249-389-11	CARBON (AEP, UK, G, IT)	4.7	5%	1/4W
R1242	1-249-389-11	CARBON (AEP, UK, G, IT)	4.7	5%	1/4W
R1270	1-249-393-11	CARBON (A295)	10	5%	1/4W
R1270	1-249-397-11	CARBON (D550)	22	5%	1/4W
R1271	1-249-397-11	CARBON (D550)	22	5%	1/4W
R1272	1-249-415-11	CARBON (A295)	680	5%	1/4W
R1272	1-249-419-11	CARBON (D550)	1.5K	5%	1/4W
R1273	1-249-415-11	CARBON (A295)	680	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R1273	1-249-419-11	CARBON (D550)	1.5K	5%	1/4W
R1290	1-249-437-11	CARBON	47K	5%	1/4W
R1301	1-249-429-11	CARBON (A295)	10K	5%	1/4W
R1301	1-249-430-11	CARBON (D550)	12K	5%	1/4W
R1302	1-249-429-11	CARBON (A295)	10K	5%	1/4W
R1302	1-249-430-11	CARBON (D550)	12K	5%	1/4W
R1303	1-249-421-11	CARBON	2.2K	5%	1/4W
R1304	1-249-425-11	CARBON	4.7K	5%	1/4W
R1321	1-249-417-11	CARBON	1K	5%	1/4W
R1322	1-249-429-11	CARBON	10K	5%	1/4W
R1345	1-249-421-11	CARBON	2.2K	5%	1/4W
R1381	1-249-417-11	CARBON	1K	5%	1/4W
< VARIABLE RESISTOR >					
RV1	1-238-601-11	RES, ADJ, CARBON 22K			
RV2	1-238-600-11	RES, ADJ, CARBON 10K			
< RELAY >					
RY1201	1-515-920-11	RELAY (24V) (A295)			
RY1201	1-515-501-00	RELAY (D550)			
< TERMINAL >					
* TM1	1-537-264-11	TERMINAL BOARD (ANTENNA) (EXCEPT AEP, G, IT)			
* TM1	1-537-288-11	TERMINAL BOARD, ANTENNA (PAL) (ANTENNA) (AEP, G, IT)			
< VIBRATOR >					
XT51	1-577-126-21	VIBRATOR, CRYSTAL (7.2MHz) (EXCEPT E, AUS, MX, PX)			
XT51	1-577-126-31	VIBRATOR, CRYSTAL (7.2MHz) (E, AUS, MX, PX)			

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# MAIN TC

Ref. No.	Part No.	Description	Remark
*	A-4365-772-A	MAIN TC BOARD, COMPLETE (E, AUS, MX, PX)	
*	A-4365-787-A	MAIN TC BOARD, COMPLETE (US, Canadian, AEP, UK)	
*	A-4371-005-A	MAIN TC BOARD, COMPLETE (G, IT)	
		*****	
*	4-942-204-01	PLATE, GROUND	
		< CAPACITOR >	
C700	1-162-282-31	CERAMIC 100PF	10% 50V
C701	1-162-290-31	CERAMIC 470PF	10% 50V
C702	1-137-372-11	FILM 0.022uF	5% 50V
C703	1-124-907-11	ELECT 10uF	20% 50V
C704	1-162-292-31	CERAMIC 680PF	10% 50V
C710	1-162-282-31	CERAMIC 100PF	10% 50V
C711	1-162-289-31	CERAMIC 390PF	10% 50V
C712	1-137-372-11	FILM 0.022uF	5% 50V
C713	1-124-907-11	ELECT 10uF	20% 50V
C715	1-124-443-00	ELECT 100uF	20% 10V
C721	1-137-368-11	FILM 0.0047uF	5% 50V
C722	1-124-903-11	ELECT 1uF	20% 50V
C723	1-124-927-11	ELECT 4.7uF	20% 100V
C724	1-137-399-11	FILM 0.1uF	5% 50V
		(EXCEPT E, AUS, MX, PX)	
C724	1-164-095-11	CERAMIC 0.01uF	10% 16V
		(E, AUS, MX, PX)	
C725	1-124-907-11	ELECT 10uF	20% 50V
C726	1-124-903-11	ELECT 1uF	20% 50V
C727	1-124-902-00	ELECT 0.47uF	20% 50V
C728	1-124-927-11	ELECT 4.7uF	20% 100V
C729	1-162-291-31	CERAMIC 560PF	10% 50V
C730	1-161-374-11	CERAMIC 0.0015uF	20% 50V
C731	1-164-056-11	CERAMIC 27PF	5% 50V
C732	1-101-890-00	CERAMIC 75PF	5% 50V
C733	1-162-288-31	CERAMIC 330PF	10% 50V
C734	1-164-066-11	CERAMIC 68PF	5% 50V
C800	1-162-282-31	CERAMIC 100PF	10% 50V
C801	1-162-290-31	CERAMIC 470PF	10% 50V
C802	1-137-372-11	FILM 0.022uF	5% 50V
C803	1-124-907-11	ELECT 10uF	20% 50V
C804	1-162-292-31	CERAMIC 680PF	10% 50V
C810	1-162-282-31	CERAMIC 100PF	10% 50V
C811	1-162-289-31	CERAMIC 390PF	10% 50V
C812	1-137-372-11	FILM 0.022uF	5% 50V
C813	1-124-907-11	ELECT 10uF	20% 50V
C815	1-124-443-00	ELECT 100uF	20% 10V
C821	1-137-368-11	FILM 0.0047uF	5% 50V
C822	1-124-903-11	ELECT 1uF	20% 50V
C823	1-124-927-11	ELECT 4.7uF	20% 100V

Ref. No.	Part No.	Description	Remark
C824	1-137-399-11	FILM 0.1uF	5% 50V
		(EXCEPT E, AUS, MX, PX)	
C824	1-164-095-11	CERAMIC 0.01uF	10% 16V
		(E, AUS, MX, PX)	
C825	1-124-907-11	ELECT 10uF	20% 50V
C826	1-124-903-11	ELECT 1uF	20% 50V
C827	1-124-902-00	ELECT 0.47uF	20% 50V
C828	1-124-927-11	ELECT 4.7uF	20% 100V
C829	1-162-291-31	CERAMIC 560PF	10% 50V
C830	1-161-374-11	CERAMIC 0.0015uF	20% 50V
C831	1-164-056-11	CERAMIC 27PF	5% 50V
C832	1-101-890-00	CERAMIC 75PF	5% 50V
C833	1-162-288-31	CERAMIC 330PF	10% 50V
C834	1-164-066-11	CERAMIC 68PF	5% 50V
C903	1-124-443-00	ELECT 100uF	20% 10V
C904	1-124-443-00	ELECT 100uF	20% 10V
C905	1-124-443-00	ELECT 100uF	20% 10V
C906	1-124-443-00	ELECT 100uF	20% 10V
C907	1-124-443-00	ELECT 100uF	20% 10V
C908	1-124-443-00	ELECT 100uF	20% 10V
C909	1-124-907-11	ELECT 10uF	20% 50V
C910	1-124-907-11	ELECT 10uF	20% 50V
C913	1-124-927-11	ELECT 4.7uF	20% 100V
C915	1-126-933-11	ELECT 100uF	20% 16V
C920	1-161-379-00	CERAMIC 0.01uF	20% 25V
C921	1-124-925-11	ELECT 2.2uF	20% 100V
C922	1-137-460-91	FILM 0.0082uF	5% 100V
C923	1-124-902-00	ELECT 0.47uF	20% 50V
C924	1-137-438-11	FILM 0.0082uF	5% 50V
C925	1-161-329-00	CERAMIC 0.0068uF	30% 16V
C926	1-137-436-11	FILM 0.0039uF	5% 50V
C927	1-137-436-11	FILM 0.0039uF	5% 50V
C928	1-137-399-11	FILM 0.1uF	5% 50V
C929	1-124-120-11	ELECT 220uF	20% 25V
C931	1-124-120-11	ELECT 220uF	20% 25V
C942	1-124-927-11	ELECT 4.7uF	20% 100V
		(EXCEPT E, AUS, MX, PX)	
C943	1-124-903-11	ELECT 1uF	20% 50V
C944	1-124-907-11	ELECT 10uF	20% 50V
C945	1-161-379-00	CERAMIC 0.01uF	20% 25V
C946	1-124-925-11	ELECT 2.2uF	20% 100V
		< CONNECTOR >	
* CN901	1-564-507-11	PLUG, CONNECTOR 4P	
* CN902	1-564-508-11	PLUG, CONNECTOR 5P	
CN903	1-564-506-11	PLUG, CONNECTOR 3P	
* CN904	1-564-509-11	PLUG, CONNECTOR 6P	
CN905	1-564-505-11	PLUG, CONNECTOR 2P	
* CN906	1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P	

# MAIN TC

Ref. No.	Part No.	Description	Remark
* CN911	1-560-061-00	PIN, CONNECTOR 3P	
* CN912	1-560-060-00	PIN, CONNECTOR 2P	
< DIODE >			
D901	8-719-987-63	DIODE 1N4148M	
D902	8-719-987-63	DIODE 1N4148M	
D903	8-719-987-63	DIODE 1N4148M	
D904	8-719-987-63	DIODE 1N4148M	
D905	8-719-987-63	DIODE 1N4148M	
D906	8-719-987-63	DIODE 1N4148M	
D907	8-719-987-63	DIODE 1N4148M	
D908	8-719-987-63	DIODE 1N4148M	
D909	8-719-987-63	DIODE 1N4148M	
< IC >			
IC903	8-759-098-73	IC HA12172NT (EXCEPT E, AUS, MX, PX)	
IC903	8-759-198-48	IC HA12184NT (E, AUS, MX, PX)	
IC904	8-759-111-44	IC uPC4570C-1	
IC905	8-759-111-44	IC uPC4570C-1	
IC906	8-759-143-54	IC uPC1330HA	
IC907	8-759-240-81	IC TC4081BP	
< COIL >			
L701	1-410-780-11	INDUCTOR 27mH	
L801	1-410-780-11	INDUCTOR 27mH	
L901	1-414-223-11	INDUCTOR 470uH	
< TRANSISTOR >			
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q901	8-729-194-57	TRANSISTOR 2SC945-P	
Q902	8-729-194-57	TRANSISTOR 2SC945-P	
Q903	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q904	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q905	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q906	8-729-900-89	TRANSISTOR DTC144ES	
Q907	8-729-900-89	TRANSISTOR DTC144ES	
Q908	8-729-900-89	TRANSISTOR DTC144ES (EXCEPT E, AUS, MX, PX)	
Q909	8-729-900-89	TRANSISTOR DTC144ES	
Q910	8-729-900-65	TRANSISTOR DTA144ES	
Q911	8-729-900-65	TRANSISTOR DTA144ES	
Q912	8-729-900-89	TRANSISTOR DTC144ES	
< RESISTOR >			
R701	1-247-889-00	CARBON 270K 5% 1/4W	
R702	1-249-404-00	CARBON 82 5% 1/4W	
R703	1-247-882-11	CARBON 130K 5% 1/4W	
R704	1-247-850-11	CARBON 6.2K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R711	1-247-889-00	CARBON 270K 5% 1/4W	
R712	1-249-404-00	CARBON 82 5% 1/4W	
R713	1-247-882-11	CARBON 130K 5% 1/4W	
R714	1-247-850-11	CARBON 6.2K 5% 1/4W	
R715	1-249-433-11	CARBON 22K 5% 1/4W	
R720	1-249-425-11	CARBON 4.7K 5% 1/4W	
R721	1-249-429-11	CARBON 10K 5% 1/4W	
R722	1-249-431-11	CARBON 15K 5% 1/4W	
R723	1-249-429-11	CARBON 10K 5% 1/4W	
R724	1-249-421-11	CARBON 2.2K 5% 1/4W	
R725	1-249-428-11	CARBON 8.2K 5% 1/4W	
R726	1-247-840-00	CARBON 2.4K 5% 1/4W	
R727	1-249-433-11	CARBON 22K 5% 1/4W	
R728	1-249-417-11	CARBON 1K 5% 1/4W	
R731	1-249-430-11	CARBON 12K 5% 1/4W	
R801	1-247-889-00	CARBON 270K 5% 1/4W	
R802	1-249-404-00	CARBON 82 5% 1/4W	
R803	1-247-882-11	CARBON 130K 5% 1/4W	
R804	1-247-850-11	CARBON 6.2K 5% 1/4W	
R811	1-247-889-00	CARBON 270K 5% 1/4W	
R812	1-249-404-00	CARBON 82 5% 1/4W	
R813	1-247-882-11	CARBON 130K 5% 1/4W	
R814	1-247-850-11	CARBON 6.2K 5% 1/4W	
R815	1-249-433-11	CARBON 22K 5% 1/4W	
R820	1-249-425-11	CARBON 4.7K 5% 1/4W	
R821	1-249-429-11	CARBON 10K 5% 1/4W	
R822	1-249-431-11	CARBON 15K 5% 1/4W	
R823	1-249-429-11	CARBON 10K 5% 1/4W	
R824	1-249-421-11	CARBON 2.2K 5% 1/4W	
R825	1-249-428-11	CARBON 8.2K 5% 1/4W	
R826	1-247-840-00	CARBON 2.4K 5% 1/4W	
R827	1-249-433-11	CARBON 22K 5% 1/4W	
R828	1-249-417-11	CARBON 1K 5% 1/4W	
R831	1-249-430-11	CARBON 12K 5% 1/4W	
R902	1-249-389-11	CARBON 4.7 5% 1/4W	
R903	1-249-413-11	CARBON 470 5% 1/4W	
R904	1-249-413-11	CARBON 470 5% 1/4W	
R905	1-249-413-11	CARBON 470 5% 1/4W	
R906	1-249-413-11	CARBON 470 5% 1/4W	
R910	1-249-437-11	CARBON 47K 5% 1/4W (E, AUS, MX, PX)	
R911	1-215-451-00	METAL 18K 1% 1/6W (EXCEPT E, AUS, MX, PX)	
R911	1-249-432-11	CARBON 18K 5% 1/4W (E, AUS, MX, PX)	
R912	1-249-440-11	CARBON 82K 5% 1/4W	
R913	1-247-862-11	CARBON 20K 5% 1/4W	
R914	1-249-437-11	CARBON 47K 5% 1/4W	
R915	1-249-437-11	CARBON 47K 5% 1/4W	

**MAIN TC**
**OPEN/UP SW**
**PANEL**

Ref. No.	Part No.	Description	Remark
R916	1-249-437-11	CARBON 47K 5%	1/4W
R917	1-247-864-11	CARBON 24K 5%	1/4W
R918	1-249-437-11	CARBON 47K 5%	1/4W
		(EXCEPT E, AUS, MX, PX)	
R919	1-249-433-11	CARBON 22K 5%	1/4W
R920	1-249-429-11	CARBON 10K 5%	1/4W
R921	1-249-424-11	CARBON 3.9K 5%	1/4W
R922	1-249-389-11	CARBON 4.7 5%	1/4W
R923	1-249-434-11	CARBON 27K 5%	1/4W
R924	1-249-434-11	CARBON 27K 5%	1/4W
R925	1-249-429-11	CARBON 10K 5%	1/4W
R926	1-249-389-11	CARBON 4.7 5%	1/4W
△R931	1-215-905-11	METAL OXIDE 10 5%	3W F
R932	1-249-426-11	CARBON 5.6K 5%	1/4W
R933	1-249-442-11	CARBON 510 5%	1/4W
R934	1-249-441-11	CARBON 100K 5%	1/4W
R935	1-249-441-11	CARBON 100K 5%	1/4W
R936	1-249-429-11	CARBON 10K 5%	1/4W
R941	1-249-436-11	CARBON 39K 5%	1/4W
R942	1-249-433-11	CARBON 22K 5%	1/4W
		(EXCEPT E, AUS, MX, PX)	
R943	1-249-436-11	CARBON 39K 5%	1/4W
R944	1-249-425-11	CARBON 4.7K 5%	1/4W
R945	1-249-433-11	CARBON 22K 5%	1/4W
R946	1-249-421-11	CARBON 2.2K 5%	1/4W
R947	1-249-421-11	CARBON 2.2K 5%	1/4W
R948	1-249-433-11	CARBON 22K 5%	1/4W
R949	1-249-438-11	CARBON 56K 5%	1/4W
R950	1-249-437-11	CARBON 47K 5%	1/4W
R951	1-249-437-11	CARBON 47K 5%	1/4W
R952	1-249-441-11	CARBON 100K 5%	1/4W
R953	1-249-425-11	CARBON 4.7K 5%	1/4W
R954	1-249-429-11	CARBON 10K 5%	1/4W
R955	1-249-441-11	CARBON 100K 5%	1/4W
R956	1-249-441-11	CARBON 100K 5%	1/4W
R957	1-249-429-11	CARBON 10K 5%	1/4W
< VARIABLE RESISTOR >			
RV701	1-230-496-11	RES, ADJ, CARBON 10K	
RV702	1-230-496-11	RES, ADJ, CARBON 10K	
RV703	1-230-496-11	RES, ADJ, CARBON 10K	
RV704	1-230-499-11	RES, ADJ, CARBON 100K	
RV801	1-230-496-11	RES, ADJ, CARBON 10K	
RV802	1-230-496-11	RES, ADJ, CARBON 10K	
RV803	1-230-496-11	RES, ADJ, CARBON 10K	
RV804	1-230-499-11	RES, ADJ, CARBON 100K	
RV901	1-230-495-11	RES, ADJ, CARBON 2.2K	
RV902	1-230-495-11	RES, ADJ, CARBON 2.2K	

Ref. No.	Part No.	Description	Remark
< TRANSFORMER >			
T901	1-433-349-11	TRANSFORMER, BIAS OSCILLATION	
*****			
*	1-638-731-11	OPEN/UP SW BOARD	
*****			
< CONNECTOR >			
* CN705	1-566-214-11	PIN, CONNECTOR (PC BOARD) 2P	
< SWITCH >			
S702	1-571-300-21	SWITCH, ROTARY (OPEN/UP)	
*****			
*	A-4365-891-A	PANEL BOARD, COMPLETE (AEP, UK)	
*	A-4365-913-A	PANEL BOARD, COMPLETE (E, AUS, MX, PX)	
*	A-4365-929-A	PANEL BOARD, COMPLETE (D550)	
*	A-4369-096-A	PANEL BOARD, COMPLETE (IT)	
*	A-4369-256-A	PANEL BOARD, COMPLETE (Canadian)	
*	A-4369-603-A	PANEL BOARD, COMPLETE (G)	
*****			
*	4-949-935-01	CUSHION (FL)	
*	4-949-935-21	CUSHION (FL)	
*	4-955-792-01	HOLDER (5M), FL TUBE	
*	4-962-699-01	HOLDER, FL TUBE	
< CAPACITOR >			
C601	1-164-159-11	CERAMIC 0.1uF	50V
C602	1-124-261-00	ELECT 10uF	20% 50V
C603	1-104-905-11	DOUBLE LAYERS 0.22F	5.5V
C604	1-164-159-11	CERAMIC 0.1uF	50V
C605	1-136-169-00	FILM 0.22uF	5% 50V
C607	1-161-379-00	CERAMIC 0.01uF	20% 25V
C608	1-161-379-00	CERAMIC 0.01uF	20% 25V
C609	1-124-910-11	ELECT 47uF	20% 50V
C610	1-161-379-00	CERAMIC 0.01uF	20% 25V
C661	1-126-301-11	ELECT 1uF	20% 50V
C662	1-126-301-11	ELECT 1uF	20% 50V
C1102	1-124-589-11	ELECT 47uF	20% 16V
C1103	1-162-282-31	CERAMIC 100PF	10% 50V
C1104	1-124-257-00	ELECT 2.2uF	20% 50V
C1105	1-124-464-11	ELECT 0.22uF	20% 50V
C1106	1-137-374-11	FILM 0.047uF	5% 50V
C1107	1-124-464-11	ELECT 0.22uF	20% 50V
C1108	1-137-442-11	FILM 0.039uF	5% 50V
C1109	1-137-441-11	FILM 0.027uF	5% 50V
C1110	1-137-457-11	FILM 0.0027uF	5% 50V
C1111	1-161-327-00	CERAMIC 0.0033uF	20% 16V
C1112	1-162-293-31	CERAMIC 820PF	10% 50V

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

# PANEL

Ref. No.	Part No.	Description	Remark
C1113	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1114	1-124-589-11	ELECT	47uF 20% 16V
C1115	1-124-257-00	ELECT	2.2uF 20% 50V
C1120	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1121	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1123	1-162-282-31	CERAMIC	100PF 10% 50V
C1143	1-126-176-11	ELECT	220uF 20% 10V
C1152	1-124-589-11	ELECT	47uF 20% 16V
C1153	1-162-282-31	CERAMIC	100PF 10% 50V
C1154	1-124-257-00	ELECT	2.2uF 20% 50V
C1155	1-124-464-11	ELECT	0.22uF 20% 50V
C1156	1-137-374-11	FILM	0.047uF 5% 50V
C1157	1-124-464-11	ELECT	0.22uF 20% 50V
C1158	1-137-442-11	FILM	0.039uF 5% 50V
C1159	1-137-441-11	FILM	0.027uF 5% 50V
C1160	1-137-457-11	FILM	0.0027uF 5% 50V
C1161	1-161-327-00	CERAMIC	0.0033uF 20% 16V
C1162	1-162-293-31	CERAMIC	820PF 10% 50V
C1163	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1164	1-124-589-11	ELECT	47uF 20% 16V
C1165	1-124-257-00	ELECT	2.2uF 20% 50V
C1173	1-162-282-31	CERAMIC	100PF 10% 50V
C1197	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1501	1-162-294-31	CERAMIC	0.001uF 10% 50V
C1502	1-124-234-00	ELECT	22uF 20% 16V
C1503	1-124-234-00	ELECT	22uF 20% 16V
C1508	1-161-379-00	CERAMIC	0.01uF 20% 25V
C1509	1-126-163-11	ELECT	4.7uF 20% 50V
C1510	1-124-234-00	ELECT	22uF 20% 16V
C1511	1-124-584-00	ELECT	100uF 20% 10V
C1512	1-164-159-11	CERAMIC	0.1uF 50V
C1513	1-164-159-11	CERAMIC	0.1uF 50V
C1514	1-124-584-00	ELECT	100uF 20% 10V

## < CONNECTOR >

- \* CN601 1-568-830-11 SOCKET, CONNECTOR 11P
- \* CN1101 1-568-839-11 SOCKET, CONNECTOR 23P
- CN1102 1-506-469-11 PIN, CONNECTOR 4P

## < COMPOSITION CIRCUIT BLOCK >

- \* CP603 1-233-216-11 COMPOSITION CIRCUIT BLOCK
- CP1511 1-239-054-11 COMPOSITION CIRCUIT BLOCK
- CP1512 1-239-054-11 COMPOSITION CIRCUIT BLOCK

## < DIODE >

D601	8-719-987-63	DIODE	1N4148M
D602	8-719-987-63	DIODE	1N4148M
D603	8-719-987-63	DIODE	1N4148M
D604	8-719-200-82	DIODE	11ES2

Ref. No.	Part No.	Description	Remark
D621	8-719-987-63	DIODE	1N4148M (G)
D622	8-719-987-63	DIODE	1N4148M (US, Canadian, IT)
D623	8-719-987-63	DIODE	1N4148M (E, IT, AUS, MX, PX)
D625	8-719-987-63	DIODE	1N4148M
D1130	8-719-038-63	LED	SEL5220S-TH8C (VIDEO)
D1131	8-719-038-63	LED	SEL5220S-TH8C (TAPE)
D1132	8-719-038-63	LED	SEL5220S-TH8C (CD)
D1133	8-719-038-63	LED	SEL5220S-TH8C (TUNER)
D1134	8-719-038-63	LED	SEL5220S-TH8C (PHONO)
D1145	8-719-038-63	LED	SEL5220S-TH8C (VOLUME)
D1150	8-719-987-63	DIODE	1N4148M
D1151	8-719-987-63	DIODE	1N4148M
D1152	8-719-987-63	DIODE	1N4148M
D1160	8-719-038-63	LED	SEL5220S-TH8C (FLAT)
D1161	8-719-038-63	LED	SEL5220S-TH8C (DANCE)
D1162	8-719-038-63	LED	SEL5220S-TH8C (POPS)
D1163	8-719-038-63	LED	SEL5220S-TH8C (ROCK)
D1164	8-719-038-63	LED	SEL5220S-TH8C (CLASSIC)
D1171	8-719-987-63	DIODE	1N4148M

## < FLUORESCENT INDICATOR >

- FL601 1-517-259-11 INDICATOR TUBE, FLUORESCENT
- FL1501 1-517-260-11 INDICATOR TUBE, FLUORESCENT

## < IC >

IC601	8-759-248-06	IC	uPD78042GF-053-3B9
IC602	8-749-920-83	IC	GP1U52XB
IC1101	8-759-634-51	IC	M5218AP
IC1102	8-759-634-51	IC	M5218AP
IC1103	8-759-820-62	IC	LB1639
IC1104	8-759-916-12	IC	SN74HC00AN
IC1106	8-759-000-48	IC	MC14052BCP
IC1501	8-759-065-87	IC	XR-1096

## < COIL >

L601	1-410-521-11	INDUCTOR	100uH
L1101	1-410-624-11	INDUCTOR	560uH
L1102	1-408-080-00	INDUCTOR	100uH

## < TRANSISTOR >

Q601	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q602	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q603	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1101	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1102	8-729-141-26	TRANSISTOR	2SC3622A-LK
Q1103	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1104	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1105	8-729-119-78	TRANSISTOR	2SC2785-HFE
Q1121	8-729-900-61	TRANSISTOR	DTA114ES

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q1124	8-729-900-36	TRANSISTOR	DTC124ES	R640	1-249-408-11	CARBON	180 5% 1/4W
Q1125	8-729-900-36	TRANSISTOR	DTC124ES	R641	1-249-409-11	CARBON	220 5% 1/4W
Q1126	8-729-900-36	TRANSISTOR	DTC124ES	R642	1-249-410-11	CARBON	270 5% 1/4W
Q1141	8-729-900-63	TRANSISTOR	DTA124ES	R643	1-249-411-11	CARBON	330 5% 1/4W
Q1143	8-729-900-80	TRANSISTOR	DTC114ES	R644	1-249-413-11	CARBON	470 5% 1/4W
Q1144	8-729-900-80	TRANSISTOR	DTC114ES	R645	1-249-414-11	CARBON	560 5% 1/4W
Q1145	8-729-900-61	TRANSISTOR	DTA114ES	R646	1-249-416-11	CARBON	820 5% 1/4W
Q1147	8-729-900-36	TRANSISTOR	DTC124ES	R647	1-249-418-11	CARBON	1. 2K 5% 1/4W
Q1148	8-729-900-63	TRANSISTOR	DTA124ES	R648	1-249-421-11	CARBON	2. 2K 5% 1/4W
Q1151	8-729-119-78	TRANSISTOR	2SC2785-HFE	R649	1-249-424-11	CARBON	3. 9K 5% 1/4W
Q1152	8-729-141-26	TRANSISTOR	2SC3622A-LK	R653	1-249-388-11	CARBON	3. 9 5% 1/6W
Q1153	8-729-119-78	TRANSISTOR	2SC2785-HFE	R661	1-249-417-11	CARBON	1K 5% 1/4W
Q1154	8-729-119-78	TRANSISTOR	2SC2785-HFE	R662	1-249-417-11	CARBON	1K 5% 1/4W
Q1155	8-729-119-78	TRANSISTOR	2SC2785-HFE	R663	1-249-417-11	CARBON	1K 5% 1/4W
< RESISTOR >				R664	1-249-417-11	CARBON	1K 5% 1/4W
R601	1-249-417-11	CARBON	1K 5% 1/4W	R665	1-249-417-11	CARBON	1K 5% 1/4W
R603	1-249-437-11	CARBON	47K 5% 1/4W	R666	1-249-417-11	CARBON	1K 5% 1/4W
R604	1-249-433-11	CARBON	22K 5% 1/4W	R672	1-249-441-11	CARBON	100K 5% 1/4W
R605	1-249-433-11	CARBON	22K 5% 1/4W	R673	1-249-409-11	CARBON	220 5% 1/4W
R606	1-249-429-11	CARBON	10K 5% 1/4W	R1102	1-249-426-11	CARBON	5. 6K 5% 1/4W
R607	1-249-429-11	CARBON	10K 5% 1/4W	R1103	1-249-431-11	CARBON	15K 5% 1/4W
R608	1-249-423-11	CARBON	3. 3K 5% 1/4W	R1104	1-249-425-11	CARBON (A295)	4. 7K 5% 1/4W
R609	1-249-417-11	CARBON	1K 5% 1/4W	R1104	1-249-429-11	CARBON (D550)	10K 5% 1/4W
R610	1-249-425-11	CARBON	4. 7K 5% 1/4W	R1105	1-249-433-11	CARBON	22K 5% 1/4W
R611	1-249-429-11	CARBON	10K 5% 1/4W	R1106	1-249-424-11	CARBON	3. 9K 5% 1/4W
R613	1-249-429-11	CARBON	10K 5% 1/4W	R1107	1-249-441-11	CARBON	100K 5% 1/4W
R614	1-249-429-11	CARBON	10K 5% 1/4W	R1108	1-249-427-11	CARBON	6. 8K 5% 1/4W
R615	1-249-433-11	CARBON	22K 5% 1/4W	R1109	1-249-412-11	CARBON	390 5% 1/4W
R616	1-249-433-11	CARBON	22K 5% 1/4W	R1110	1-249-417-11	CARBON	1K 5% 1/4W
R621	1-249-419-11	CARBON	1. 5K 5% 1/4W	R1111	1-249-441-11	CARBON	100K 5% 1/4W
R622	1-247-807-31	CARBON	100 5% 1/4W	R1114	1-249-431-11	CARBON	15K 5% 1/4W
R623	1-249-406-11	CARBON	120 5% 1/4W	R1115	1-249-439-11	CARBON	68K 5% 1/4W
R624	1-249-406-11	CARBON	120 5% 1/4W	R1116	1-249-423-11	CARBON	3. 3K 5% 1/4W
R625	1-247-811-31	CARBON	150 5% 1/4W	R1117	1-249-440-11	CARBON	82K 5% 1/4W
R626	1-249-408-11	CARBON	180 5% 1/4W	R1118	1-249-412-11	CARBON	390 5% 1/4W
R627	1-249-409-11	CARBON	220 5% 1/4W	R1119	1-249-427-11	CARBON	6. 8K 5% 1/4W
R628	1-249-410-11	CARBON	270 5% 1/4W	R1120	1-247-862-11	CARBON	20K 5% 1/4W
R629	1-249-411-11	CARBON	330 5% 1/4W	R1122	1-249-433-11	CARBON	22K 5% 1/4W
R630	1-249-413-11	CARBON	470 5% 1/4W	R1123	1-249-421-11	CARBON	2. 2K 5% 1/4W
R631	1-249-414-11	CARBON	560 5% 1/4W	R1124	1-249-425-11	CARBON	4. 7K 5% 1/4W
R632	1-249-416-11	CARBON	820 5% 1/4W	R1125	1-249-433-11	CARBON	22K 5% 1/4W
R633	1-249-418-11	CARBON	1. 2K 5% 1/4W	R1126	1-249-420-11	CARBON	1. 8K 5% 1/4W
R634	1-249-421-11	CARBON	2. 2K 5% 1/4W	R1127	1-249-440-11	CARBON	82K 5% 1/4W
R635	1-249-419-11	CARBON	1. 5K 5% 1/4W	R1128	1-249-412-11	CARBON	390 5% 1/4W
R636	1-247-807-31	CARBON	100 5% 1/4W	R1129	1-249-427-11	CARBON	6. 8K 5% 1/4W
R637	1-249-406-11	CARBON	120 5% 1/4W	R1130	1-247-862-11	CARBON	20K 5% 1/4W
R638	1-249-406-11	CARBON	120 5% 1/4W	R1131	1-249-434-11	CARBON	27K 5% 1/4W
R639	1-247-811-31	CARBON	150 5% 1/4W				

# PANEL

Ref. No.	Part No.	Description	Remark
R1132	1-249-412-11	CARBON	390 5% 1/4W
R1135	1-249-433-11	CARBON	22K 5% 1/4W
R1136	1-249-412-11	CARBON	390 5% 1/4W
R1137	1-249-412-11	CARBON	390 5% 1/4W
R1138	1-249-412-11	CARBON	390 5% 1/4W
R1139	1-249-417-11	CARBON	1K 5% 1/4W
R1141	1-249-437-11	CARBON	47K 5% 1/4W
R1142	1-249-412-11	CARBON	390 5% 1/4W
R1143	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1145	1-249-412-11	CARBON	390 5% 1/4W
R1149	1-247-874-11	CARBON	62K 5% 1/4W
R1152	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1154	1-249-425-11	CARBON (A295)	4. 7K 5% 1/4W
R1154	1-249-429-11	CARBON (D550)	10K 5% 1/4W
R1155	1-249-433-11	CARBON	22K 5% 1/4W
R1156	1-249-424-11	CARBON	3. 9K 5% 1/4W
R1157	1-249-441-11	CARBON	100K 5% 1/4W
R1158	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1159	1-249-412-11	CARBON	390 5% 1/4W
R1160	1-249-417-11	CARBON	1K 5% 1/4W
R1161	1-249-441-11	CARBON	100K 5% 1/4W
R1164	1-249-431-11	CARBON	15K 5% 1/4W
R1165	1-249-439-11	CARBON	68K 5% 1/4W
R1166	1-249-423-11	CARBON	3. 3K 5% 1/4W
R1167	1-249-440-11	CARBON	82K 5% 1/4W
R1168	1-249-412-11	CARBON	390 5% 1/4W
R1169	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1170	1-247-862-11	CARBON	20K 5% 1/4W
R1172	1-249-433-11	CARBON	22K 5% 1/4W
R1173	1-249-421-11	CARBON	2. 2K 5% 1/4W
R1174	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1176	1-249-420-11	CARBON	1. 8K 5% 1/4W
R1177	1-249-440-11	CARBON	82K 5% 1/4W
R1178	1-249-412-11	CARBON	390 5% 1/4W
R1179	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1180	1-247-862-11	CARBON	20K 5% 1/4W
R1181	1-249-434-11	CARBON	27K 5% 1/4W
R1183	1-249-437-11	CARBON	47K 5% 1/4W
R1184	1-249-437-11	CARBON	47K 5% 1/4W
R1185	1-249-437-11	CARBON	47K 5% 1/4W
R1189	1-249-417-11	CARBON	1K 5% 1/4W
R1191	1-249-437-11	CARBON	47K 5% 1/4W
R1192	1-249-412-11	CARBON	390 5% 1/4W
R1193	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1194	1-249-433-11	CARBON	22K 5% 1/4W
R1195	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1196	1-249-425-11	CARBON	4. 7K 5% 1/4W

Ref. No.	Part No.	Description	Remark
R1199	1-247-874-11	CARBON	62K 5% 1/4W
R1501	1-249-418-11	CARBON	1. 2K 5% 1/4W
R1502	1-247-881-00	CARBON	120K 5% 1/4W
R1503	1-247-881-00	CARBON	120K 5% 1/4W
R1551	1-249-406-11	CARBON	120 5% 1/4W
R1552	1-249-431-11	CARBON (A295)	15K 5% 1/4W
R1552	1-249-433-11	CARBON (D550)	22K 5% 1/4W
R1553	1-249-431-11	CARBON (A295)	15K 5% 1/4W
R1553	1-249-433-11	CARBON (D550)	22K 5% 1/4W
R1554	1-249-423-11	CARBON	3. 3K 5% 1/4W
R1555	1-249-423-11	CARBON	3. 3K 5% 1/4W
< COMPOSITION CIRCUIT BLOCK >			
RP601	1-239-598-11	COMPOSITION CIRCUIT BLOCK	
RP602	1-232-998-11	COMPOSITION CIRCUIT BLOCK	
< VARIABLE RESISTOR >			
RV1101	1-223-251-11	RES, VAR, CARBON 100K/100K (SURROUND)	
RV1102	1-223-251-11	RES, VAR, CARBON 100K/100K (DBFB)	
RV1109	1-241-350-11	RES, VAR, CARBON 100K/100K (VOLUME)	
< SWITCH >			
S601	1-554-303-21	SWITCH, TACTILE (BAND)	
S602	1-554-303-21	SWITCH, TACTILE (SHIFT)	
S603	1-554-303-21	SWITCH, TACTILE (- (DUAL MODE TUNING))	
S604	1-554-303-21	SWITCH, TACTILE (+ (DUAL MODE TUNING))	
S605	1-554-303-21	SWITCH, TACTILE (1 (PRESET STATION))	
S606	1-554-303-21	SWITCH, TACTILE (2 (PRESET STATION))	
S607	1-554-303-21	SWITCH, TACTILE (3 (PRESET STATION))	
S608	1-554-303-21	SWITCH, TACTILE (4 (PRESET STATION))	
S609	1-554-303-21	SWITCH, TACTILE (5 (PRESET STATION))	
S610	1-554-303-21	SWITCH, TACTILE (6 (PRESET STATION))	
S611	1-554-303-21	SWITCH, TACTILE (7 (PRESET STATION))	
S612	1-554-303-21	SWITCH, TACTILE (8 (PRESET STATION))	
S613	1-554-303-21	SWITCH, TACTILE (9 (PRESET STATION))	
S614	1-554-303-21	SWITCH, TACTILE (0 (PRESET STATION))	
S616	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S617	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)	
S619	1-554-303-21	SWITCH, TACTILE (VIDEO)	
S620	1-554-303-21	SWITCH, TACTILE (TAPE)	
S621	1-554-303-21	SWITCH, TACTILE (CD)	
S622	1-554-303-21	SWITCH, TACTILE (TUNER)	
S623	1-554-303-21	SWITCH, TACTILE (PHONO)	
S625	1-554-303-21	SWITCH, TACTILE (FLAT)	
S626	1-554-303-21	SWITCH, TACTILE (DANCE)	

# PANEL

# POWER

# POWER AMPLIFIER

Ref. No.	Part No.	Description	Remark
S627	1-554-303-21	SWITCH, TACTILE (POPS)	
S628	1-554-303-21	SWITCH, TACTILE (ROCK)	
S629	1-554-303-21	SWITCH, TACTILE (CLASSIC)	
< VIBRATOR >			
X601	1-567-775-11	VIBRATOR, CERAMIC (4.19MHz)	
*****			
*	1-650-434-11	POWER BOARD (A295)	
*****			
*	1-560-595-00	TERMINAL (WITH BASE) (E, PX)	
	1-533-217-31	HOLDER, FUSE	
< CAPACITOR >			
△C1301	1-161-744-51	CERAMIC 0.01uF	400V
C1348	1-164-159-11	CERAMIC 0.1uF	50V
< CONNECTOR >			
*	CN1350	1-580-230-11 PIN, CONNECTOR (PC BOARD) 3P	
*	CN1351	1-568-226-11 PIN, CONNECTOR 2P	
< FUSE >			
△F1301	1-532-350-00	FUSE (4A/125V) (EXCEPT Canadian)	
△F1301	1-576-108-11	FUSE (4A/125V) (Canadian)	
△F1302	1-532-350-00	FUSE (4A/125V) (EXCEPT Canadian)	
△F1303	1-532-350-00	FUSE (4A/125V) (Canadian)	
△F1303	1-576-108-11	FUSE (4A/125V) (Canadian)	
△F1304	1-532-350-00	FUSE (4A/125V) (EXCEPT Canadian)	
△F1304	1-576-108-11	FUSE (4A/125V) (Canadian)	
< RESISTOR >			
R1391	1-202-725-00	SOLID 3.3M 10% 1/2W	(Canadian)
< TRANSFORMER >			
△T1301	1-423-914-11	TRANSFORMER, POWER (AEP, UK, G, IT)	
△T1301	1-423-915-11	TRANSFORMER, POWER (E, AUS, MX, PX)	
△T1301	1-423-917-11	TRANSFORMER, POWER (Canadian)	

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Ref. No.	Part No.	Description	Remark
*	A-4365-902-A	POWER AMPLIFIER BOARD, COMPLETE (Canadian, AEP, UK)	
*	A-4365-923-A	POWER AMPLIFIER BOARD, COMPLETE (E, AUS, MX, PX)	
*	A-4365-931-A	POWER AMPLIFIER BOARD, COMPLETE (US)	
*	A-4369-101-A	POWER AMPLIFIER BOARD, COMPLETE (G, IT)	
*****			
< CAPACITOR >			
C1201	1-124-925-11	ELECT 2.2uF	20% 100V
C1202	1-162-286-31	CERAMIC 220PF	10% 50V
C1203	1-162-286-31	CERAMIC 220PF	10% 50V
(A295)			
C1204	1-124-910-11	ELECT 47uF	20% 50V
C1205	1-124-910-11	ELECT 47uF	20% 50V
C1206	1-124-122-11	ELECT 100uF	20% 50V
(A295)			
C1206	1-124-929-11	ELECT 22uF	20% 100V
(D550)			
C1207	1-136-165-00	FILM 0.1uF	5% 50V
C1208	1-124-916-11	ELECT 22uF	20% 63V
(A295)			
C1208	1-124-979-11	ELECT 33uF	20% 6.3V
(D550)			
C1209	1-136-165-00	FILM 0.1uF	5% 50V
C1210	1-136-163-00	FILM 0.068uF	5% 50V
C1211	1-136-163-00	FILM 0.068uF	5% 50V
C1220	1-124-917-11	ELECT 33uF	20% 63V
(A295)			
C1220	1-124-927-11	ELECT 4.7uF	20% 100V
(D550)			
C1230	1-161-494-00	CERAMIC 0.022uF	25V
(G, IT)			
C1231	1-161-494-00	CERAMIC 0.022uF	25V
(G, IT)			
C1232	1-161-494-00	CERAMIC 0.022uF	25V
(G, IT)			
C1251	1-124-925-11	ELECT 2.2uF	20% 100V
C1252	1-162-286-31	CERAMIC 220PF	10% 50V
C1253	1-162-286-31	CERAMIC 220PF	10% 50V
(A295)			
C1254	1-124-910-11	ELECT 47uF	20% 50V
C1255	1-124-910-11	ELECT 47uF	20% 50V
C1256	1-124-122-11	ELECT 100uF	20% 50V
(A295)			
C1256	1-124-929-11	ELECT 22uF	20% 100V
(D550)			
C1257	1-136-165-00	FILM 0.1uF	5% 50V
C1260	1-136-163-00	FILM 0.068uF	5% 50V
C1261	1-136-163-00	FILM 0.068uF	5% 50V
C1280	1-161-494-00	CERAMIC 0.022uF	25V
(G, IT)			

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# POWER AMPLIFIER

Ref. No.	Part No.	Description	Remark
< CONNECTOR >			
* CN1203	1-564-518-11	PLUG, CONNECTOR 3P	
< DIODE >			
D1201	8-719-815-85	DIODE 1S1585 (D550)	
D1201	8-719-987-63	DIODE 1N4148M (A295)	
D1210	8-719-987-63	DIODE 1N4148M (D550)	
D1211	8-719-987-63	DIODE 1N4148M (D550)	
D1251	8-719-815-85	DIODE 1S1585 (D550)	
D1251	8-719-987-63	DIODE 1N4148M (A295)	
< IC >			
IC1201	8-749-900-96	IC STK-4142MK2 (Canadian, AEP, UK, G, IT)	
IC1201	8-749-920-09	IC STK-4152MK2K (E, AUS, MX, PX)	
IC1201	8-749-921-68	IC STK-4231MK2 (US)	
< TRANSISTOR >			
Q1201	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1202	8-729-900-80	TRANSISTOR DTC114ES (A295)	
Q1203	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1251	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
< RESISTOR >			
R1201	1-249-417-11	CARBON 1K 5% 1/4W	
R1202	1-249-438-11	CARBON 56K 5% 1/4W	
R1203	1-249-414-11	CARBON 560 5% 1/4W	
R1204	1-249-438-11	CARBON 56K 5% 1/4W	
R1205	1-249-425-11	CARBON 4.7K 5% 1/4W (A295)	
R1205	1-249-429-11	CARBON 10K 5% 1/4W (D550)	
R1206	1-249-425-11	CARBON 4.7K 5% 1/4W (A295)	
R1206	1-249-429-11	CARBON 10K 5% 1/4W (D550)	
R1207	1-249-425-11	CARBON 4.7K 5% 1/4W (A295)	
R1207	1-249-429-11	CARBON 10K 5% 1/4W (D550)	
R1208	1-249-425-11	CARBON 4.7K 5% 1/4W (A295)	
R1208	1-249-429-11	CARBON 10K 5% 1/4W (D550)	
△R1209	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R1210	1-217-151-00	METAL PLATE 0.22 2W F (A295)	
△R1210	1-217-611-00	METAL PLATE 0.1 2W F (D550)	
R1211	1-249-417-11	CARBON 1K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R1212	1-249-431-11	CARBON 15K 5% 1/4W (A295)	
R1212	1-249-435-11	CARBON 33K 5% 1/4W (D550)	
R1213	1-249-441-11	CARBON 100K 5% 1/4W	
R1214	1-249-421-11	CARBON 2.2K 5% 1/4W (A295)	
R1214	1-249-424-11	CARBON 3.9K 5% 1/4W (D550)	
R1215	1-249-421-11	CARBON 2.2K 5% 1/4W (A295)	
R1215	1-249-424-11	CARBON 3.9K 5% 1/4W (D550)	
R1216	1-249-421-11	CARBON 2.2K 5% 1/4W (A295)	
R1216	1-249-424-11	CARBON 3.9K 5% 1/4W (D550)	
R1217	1-249-421-11	CARBON 2.2K 5% 1/4W (A295)	
R1217	1-249-424-11	CARBON 3.9K 5% 1/4W (D550)	
R1218	1-249-393-11	CARBON 10 5% 1/4W (A295)	
R1218	1-249-397-11	CARBON 22 5% 1/4W (D550)	
R1219	1-249-397-11	CARBON 22 5% 1/4W (D550)	
R1227	1-249-429-11	CARBON 10K 5% 1/4W	
R1228	1-247-881-00	CARBON 120K 5% 1/4W	
R1229	1-249-428-11	CARBON 8.2K 5% 1/4W (D550)	
R1229	1-249-437-11	CARBON 47K 5% 1/4W (A295)	
R1230	1-249-439-11	CARBON 68K 5% 1/4W (A295)	
R1231	1-249-417-11	CARBON 1K 5% 1/4W (A295)	
R1232	1-249-434-11	CARBON 27K 5% 1/4W (A295)	
R1238	1-247-903-00	CARBON 1M 5% 1/4W (D550)	
R1238	1-249-433-11	CARBON 22K 5% 1/4W (A295)	
R1239	1-249-426-11	CARBON 5.6K 5% 1/4W (A295)	
△R1243	1-249-389-11	CARBON 4.7 5% 1/4W F	
R1251	1-249-417-11	CARBON 1K 5% 1/4W	
R1252	1-249-438-11	CARBON 56K 5% 1/4W	
R1253	1-249-414-11	CARBON 560 5% 1/4W	
R1254	1-249-438-11	CARBON 56K 5% 1/4W	
R1255	1-249-425-11	CARBON 4.7K 5% 1/4W (A295)	

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## POWER AMPLIFIER

## POWER PRIMARY

## POWER SECONDARY

## SW

## TABLE MOTOR

Ref. No.	Part No.	Description	Remark		
R1255	1-249-429-11	CARBON (D550)	10K	5%	1/4W
R1256	1-249-425-11	CARBON (A295)	4.7K	5%	1/4W
R1256	1-249-429-11	CARBON (D550)	10K	5%	1/4W
R1257	1-249-425-11	CARBON (A295)	4.7K	5%	1/4W
R1257	1-249-429-11	CARBON (D550)	10K	5%	1/4W
R1258	1-249-425-11	CARBON (A295)	4.7K	5%	1/4W
R1258	1-249-429-11	CARBON (D550)	10K	5%	1/4W
△R1259	1-212-881-11	FUSIBLE	100	5%	1/4W F
△R1260	1-217-151-00	METAL PLATE (A295)	0.22	2W	F
△R1260	1-217-611-00	METAL PLATE (D550)	0.1	2W	F
R1261	1-249-417-11	CARBON	1K	5%	1/4W
R1262	1-249-431-11	CARBON (A295)	15K	5%	1/4W
R1262	1-249-435-11	CARBON (D550)	33K	5%	1/4W
R1263	1-249-441-11	CARBON	100K	5%	1/4W
R1268	1-249-393-11	CARBON (A295)	10	5%	1/4W
R1268	1-249-397-11	CARBON (D550)	22	5%	1/4W
R1269	1-249-397-11	CARBON (D550)	22	5%	1/4W
*****					
*	1-650-485-11	POWER PRIMARY BOARD (D550)	*****		
	1-533-217-31	HOLDER, FUSE			
		< CAPACITOR >			
△C1301	1-161-744-51	CERAMIC	0.01uF		400V
		< CONNECTOR >			
CN1350	1-580-230-11	PIN, CONNECTOR (PC BOARD) 3P			
* CN1351	1-564-321-00	PIN, CONNECTOR 2P			
		< FUSE >			
△F1211	1-576-108-11	FUSE (4A/125V)			
		< RESISTOR >			
R1391	1-202-725-00	SOLID	3.3M	10%	1/2W
*****					

Ref. No.	Part No.	Description	Remark		
*	1-651-320-11	POWER SECONDARY BOARD (D550)	*****		
	1-533-217-31	HOLDER, FUSE			
		< CAPACITOR >			
C1348	1-161-159-11	CERAMIC	0.1uF		50V
		< FUSE >			
△F1201	1-576-108-11	FUSE (4A/125V)			
△F1202	1-576-108-11	FUSE (4A/125V)			
		< RESISTOR >			
△R1331	1-212-934-00	FUSIBLE	1	5%	1/2W F
*****					
*	1-650-504-11	SW BOARD	*****		
		< CONNECTOR >			
* CN951	1-568-942-11	PIN, CONNECTOR 4P			
		< SWITCH >			
S951	1-692-785-11	SWITCH, PUSH (3 KEY) (DOLBY NR/TYPE SELET/DUBBING SPEED) (EXCEPT E, AUS, MX, PX)			
S951	1-692-786-11	SWITCH, PUSH (2 KEY) (TAPE SELECT/DUBBING SPEED) (E, AUS, MX, PX)			
*****					
*	1-638-729-11	TABLE MOTOR BOARD	*****		
		< CAPACITOR >			
C704	1-161-375-00	CERAMIC	0.0022uF	20%	50V
		< CONNECTOR >			
* CN707	1-573-044-11	SOCKET, CONNECTOR 5P			
		< PHOTO SENSOR >			
D701	8-719-970-19	PHOTO SENSOR GP-1A521			
		< RESISTOR >			
R701	1-249-416-11	CARBON	820	5%	1/4W
*****					

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Ref. No.	Part No.	Description	Remark
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## MISCELLANEOUS

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5	1-590-576-11	WIRE, FLAT TYPE (11 CORE)	
6	1-751-747-11	WIRE (FLAT TYPE) (23 CORE)	
7	1-765-234-11	CORD, CONNECTION (17 CORE)	
△14	1-575-653-11	CORD, POWER (E, MX, PX)	
△15	1-575-651-11	CORD, POWER (AEP, G, IT)	
△16	1-696-570-21	CORD, POWER (UK)	
△17	1-696-848-21	CORD, POWER (AUS)	
△18	1-690-609-11	CORD, POWER (US, Canadian)	
△22	1-569-007-11	ADAPTOR, CONVERSION 2P (PX)	
* 58	1-690-708-11	CORD (WITH CONNECTOR) (D550)	
58	1-765-058-11	CORD (WITH CONNECTOR) (A295)	
* 107	1-452-538-11	MAGNET	
158	1-765-195-11	WIRE (FLAT TYPE) (7 CORE)	
167	1-537-645-11	JUMPER, FILM (WITH TERMINAL)	
169	1-590-849-11	WIRE, FLAT TYPE (5 CORE)	
△201	8-848-144-11	DEVICE, OPTICAL KSS-240A	
202	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
△F1201	1-576-108-11	FUSE (4A/125V) (US)	
△F1202	1-576-108-11	FUSE (4A/125V) (US)	
△F1211	1-576-108-11	FUSE (4A/125V) (US)	
△F1301	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
△F1301	1-576-108-11	FUSE (4A/125V) (Canadian)	
△F1302	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
△F1302	1-576-108-11	FUSE (4A/125V) (Canadian)	
△F1303	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
△F1303	1-576-108-11	FUSE (4A/125V) (Canadian)	
△F1304	1-532-350-00	FUSE (4A/125V) (EXCEPT US, Canadian)	
△F1304	1-576-108-11	FUSE (4A/125V) (Canadian)	
HE901	1-543-673-11	HEAD, MAGNETIC (ERASE) (DECK B)	
HP901	1-543-319-11	HEAD, MAGNETIC (PB) (DECK A)	
HRP901	1-543-319-11	HEAD, MAGNETIC (REC/PB) (DECK B)	
M101	X-4917-504-1	MOTOR ASSY (SLED)	
M102	X-4917-523-4	BASE (OUTSERT) ASSY (SPINDLE MOTOR)	
M701	A-4604-849-A	MOTOR ASSY, ROTARY	
M702	A-4604-847-A	MOTOR ASSY, LOADING	
M901	X-3362-377-1	MOTOR (WH) ASSY	
S701	1-572-713-11	SWITCH, PUSH (WITH CONNECTOR) (DOWN)	
△S1301	1-572-267-61	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
△S1302	1-570-046-21	SWITCH, VOLTAGE CHANGE (VOLTAGE SELECTOR) (E, PX)	
△T1301	1-423-916-11	TRANSFORMER, POWER (US)	

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Ref. No.	Part No.	Description	Remark
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HARDWARE LIST  
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#1	7-621-255-15	SCREW +P 2X3	
#2	7-621-775-20	SCREW +B 2.6X5	
#3	7-623-921-01	RING, RETAINING, CAPSTAN	
#4	7-682-554-04	SCREW +B 3X25	
#5	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S	
#6	7-685-103-19	SCREW +P 2X5 TYPE2 NON-SLIT	
#7	7-685-133-19	SCREW +P 2.6X6 TYPE2	
#8	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S (E, PX)	
#9	7-685-135-19	SCREW +BTP 2.6X10 TYPE2 N-S	
#10	7-685-136-19	SCREW +P 2.6X12 TYPE2 NON-SLIT	
#11	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#12	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#13	7-688-001-01	W 2, SMALL	
#14	7-621-849-00	SCREW, TAPPING	
#15	7-682-547-09	SCREW +BVTT 3X6 (S)	
#16	7-682-548-04	SCREW +BVTT 3X8 (S)	
#17	7-682-961-01	SCREW +PSW 4X8	
#18	7-685-880-01	SCREW +BVTT 4X6	

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## ACCESSORIES &amp; PACKING MATERIALS

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	1-467-430-11	COMMANDER, STANDARD (RM-S221)	
	1-501-374-11	ANTENNA, LOOP (AEP1, IT)	
	1-501-536-11	ANTENNA (AEP1, IT)	
	2-181-754-21	COVER (MLY), BATTERY (For RM-S221)	
*	3-376-136-01	CUSHION (HALF)	
	3-758-285-41	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP1)	
	3-758-285-51	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP1, IT)	
	3-758-285-61	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP1)	
*	4-963-173-01	CUSHION	
*	4-963-777-01	INDIVIDUAL CARTON (AEP1, IT)	

The components identified by mark △ or dotted line with mark. △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

# HCD-A295/D550

## SONY<sup>®</sup> SERVICE MANUAL

*US Model*

HCD-D550

*Canadian Model*

*AEP Model*

*UK Model*

*E Model*

*Australian Model*

*PX Model*

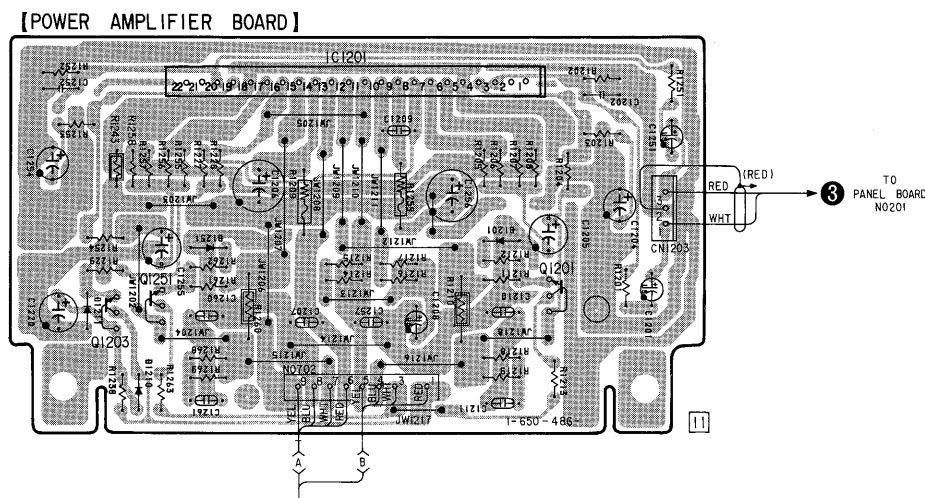
HCD-A295

## CORRECTION-1

Correct your service manual as shown below.

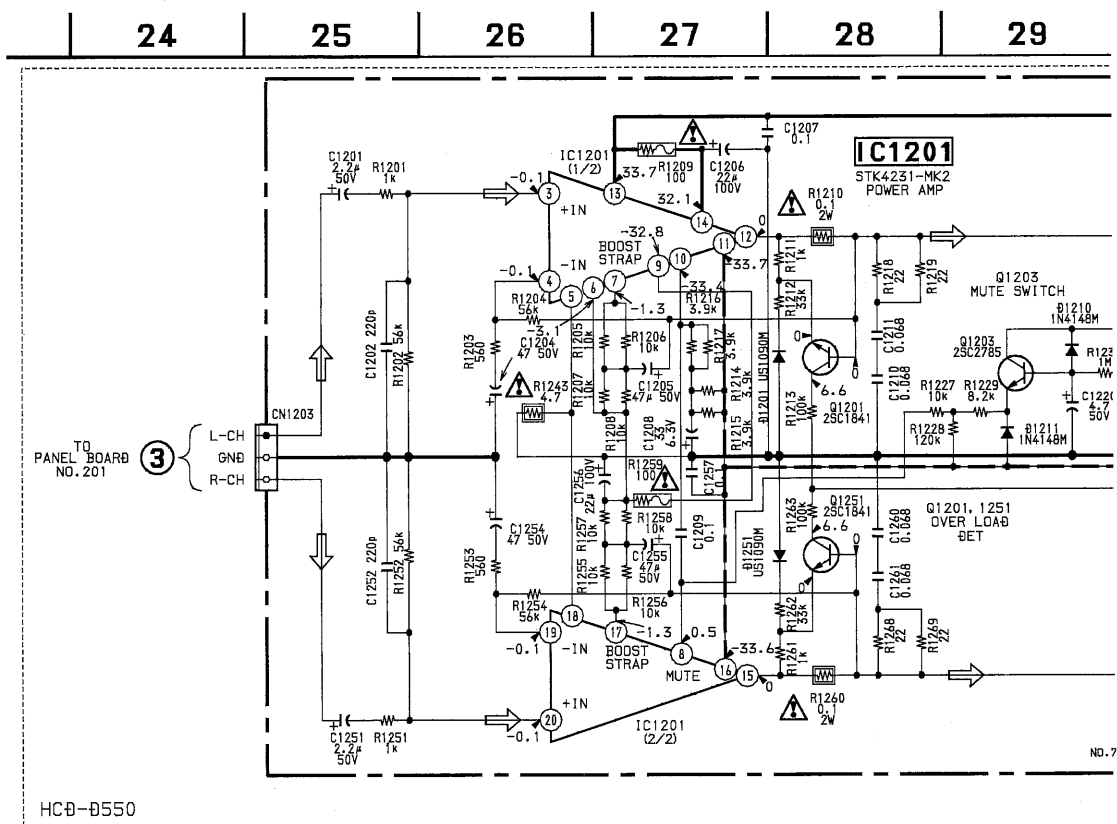
- The correct pin No. of IC1201 on Printed Wiring Board (Power Amplifier Board) as follows.  
(HCD-D550 only)

Page 30



- The correct pin No. of IC1201 on Schematic Diagram (Power Amplifier Board) as follows.  
(HCD-D550 only)

Page 34, 35



**Sony Corporation**  
**Consumer A & V Products Company**  
**Home A & V Products Div.**

English  
 94L0436-1  
 Printed in Japan  
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9-959-276-91

Published by Home A & V Products Div.  
 Quality Engineering Dept.

# PS-LX56/LX56P

## SERVICE MANUAL

Ver 1.1 2001.07

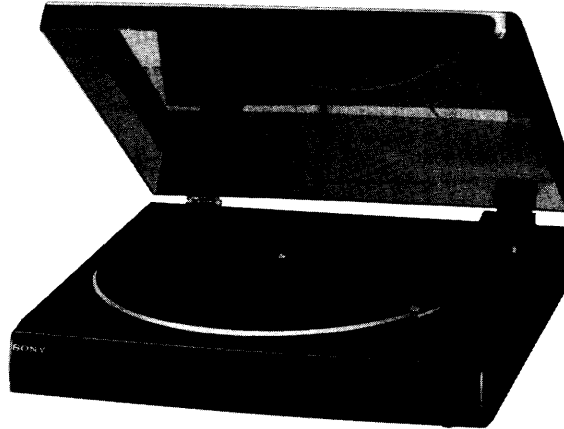


PHOTO : PS-LX56

PS-LX56/LX56P are the turntable section in LBT-A190/A195/A290/A290K/A295/A390/A390K/A395/A490/A490K/A495/D150/D250/D550/G1000/G2000.

*US Model*  
*Canadian Model*  
*PX Model*  
*Tourist Model*  
*PS-LX56*  
*AEP Model*  
*E Model*  
*Australian Model*  
*PS-LX56/LX56P*  
*UK Model*  
*PS-LX56P*

### SPECIFICATIONS

#### Turntable

Platter  
Motor  
Drive system  
Speed  
Wow and flutter  
Signal-to-noise ratio  
Automatic system

#### (PS-LX56)

30cm (12 in.)  
DC servo motor  
Belt drive  
33 1/3 rpm/45 rpm switchable  
0.2% (WRMS)  
60 dB (DIN-B)  
Return, reject

#### Tonearm

Type  
Pivot-to-stylus length  
Overall arm length

Dynamically balanced  
203 mm (8 in.)  
235 mm (9 1/4 in.)

#### Cartridge

Type  
Frequency response  
Stylus

Moving magnet type  
20 Hz-20kHz  
CN-234

#### General

Dimensions  
Weight  
Power requirement

355 × 94 × 345 mm(w/h/d)  
(14 × 3 3/4 × 13 5/8 inches)  
Approx. 2.5 kg (5 lb 8 oz)  
US and Canadian model : 120V AC, 60Hz  
European model : 220-230V AC, 50/60Hz  
Australian model : 240V AC, 50Hz  
Model for other countries : 110-120V/220-240V  
adjustable with the  
voltage selector  
AC, 50/60Hz

Power consumption  
Accessory supplied  
Optional accessories

2 W  
45-rpm adaptor (1)  
Replacement stylus CN-234  
Stat spray XP-C10  
Cleaner XP-C1, XP-C2

#### Turntable

Platter  
Tone arm type  
Cartridge type  
Stylus  
Mass  
Dimensions

#### (PS-LX56P)

30 cm  
Dynamically balanced  
Moving magnet type  
Sony CN-234 (0.6 mil diamond)  
Approx. 2.3 kg (5 lb 1 oz)  
Approx. 355 x 95 x 345 mm  
(14 x 3 3/4 x 13 5/8 inches)  
(w/h/d, including projections)

Design and specifications subject to change without notice.

#### Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

9-959-216-12  
2001G0200-1  
© 2001.7

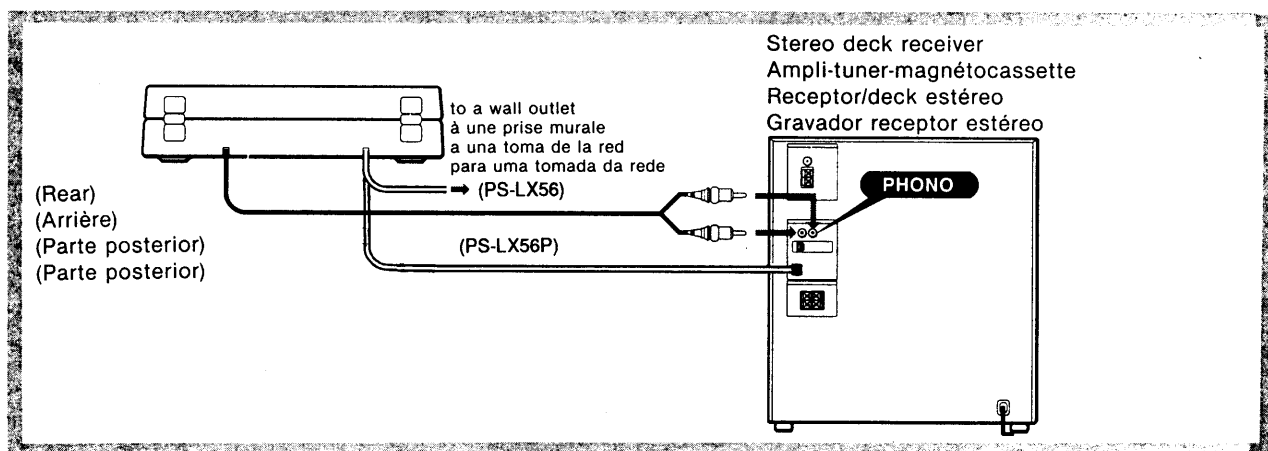
**Sony Corporation**  
Home Audio Company  
Shinagawa Tec Service Manual Production Group

STEREO TURNTABLE SYSTEM  
**SONY®**

# Connections

## Note

Connect the red plug to the right-channel jack (R), and the white plug to the left-channel jack (L).



## Notes on installation

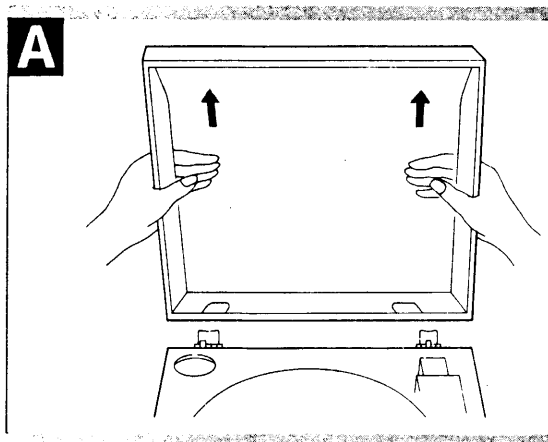
- Place the turntable on a level surface.
- Avoid placing the unit near electrical appliances (such as a television, hair dryer, or fluorescent lamp) which may cause hum or noise.
- Place the turntable where it will not be subject to any vibration, such as from speakers, slamming of doors, etc.
- Keep the unit away from direct sunlight, extremes of temperature, and excessive dust and moisture.

## Nota

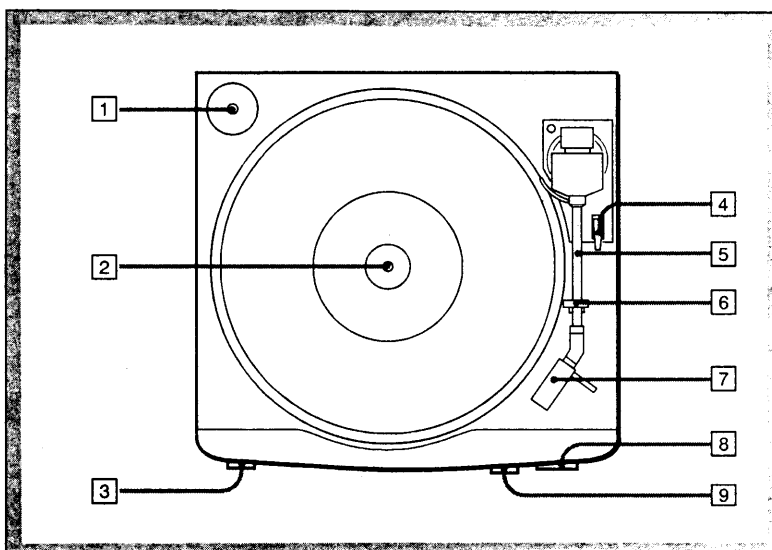
Conecte la clavija roja a la toma del canal derecho (R), y la blanca a la del canal izquierdo (L).

## To remove the dust cover **A**

Open the cover fully and pull it up.

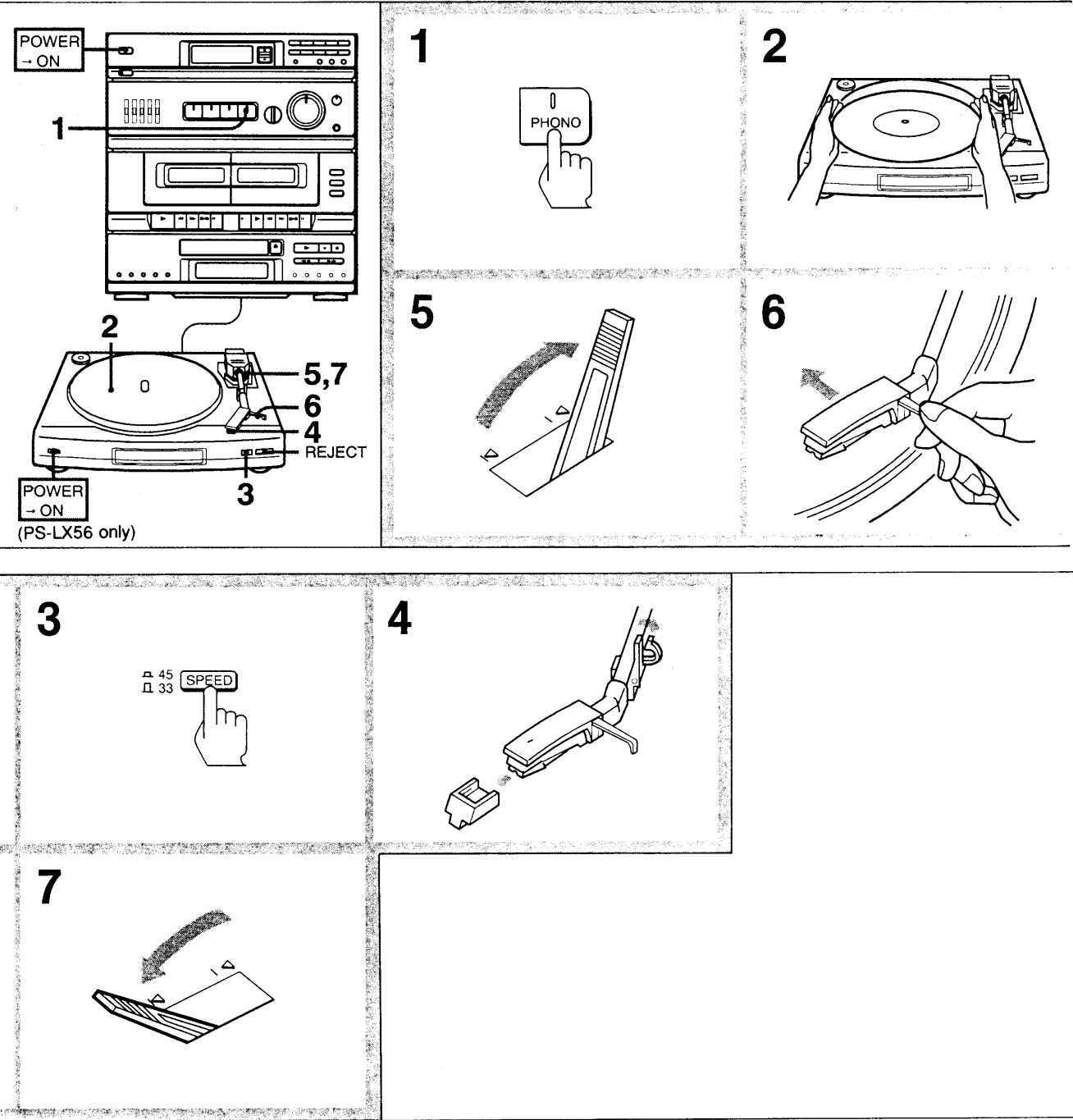


## Location of Controls





- 1 45-rpm adaptor
- 2 Centre spindle
- 3 POWER switch (PS-LX56)
- 4 Cueing lever
- 5 Tonearm
- 6 Armrest
- 7 Cartridge
- 8 REJECT button
- 9 Speed selector

Playing Records



When the record is played to the end, the tonearm returns to the armrest and the turntable stops.

To stop during play, press REJECT.

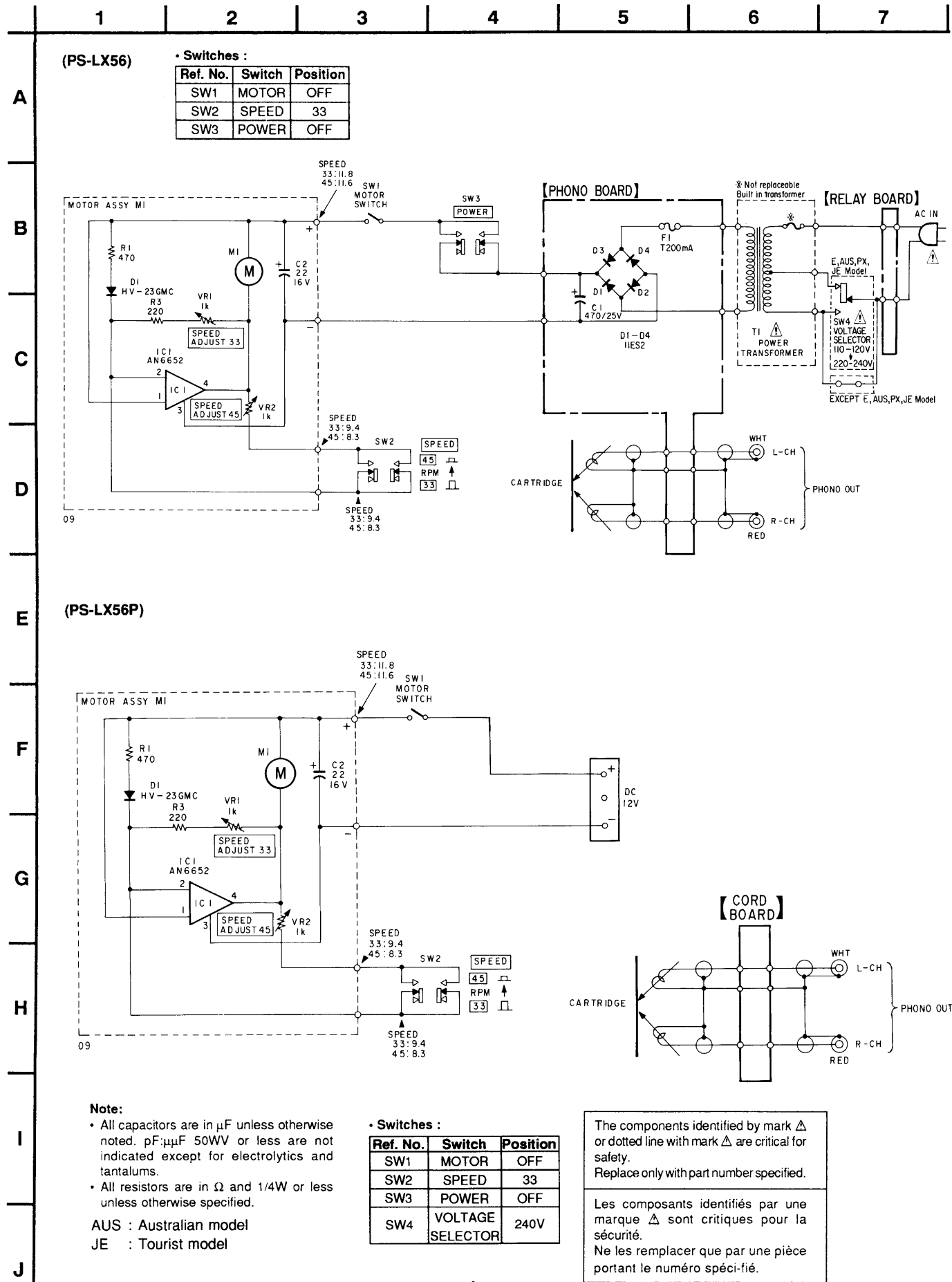
To play a different part of the record  
Lift the tonearm by setting the cueing level to , move the tonearm by hand to the desired point, then set the cueing lever to .

To play a 17-cm record  
Use the supplied adaptor

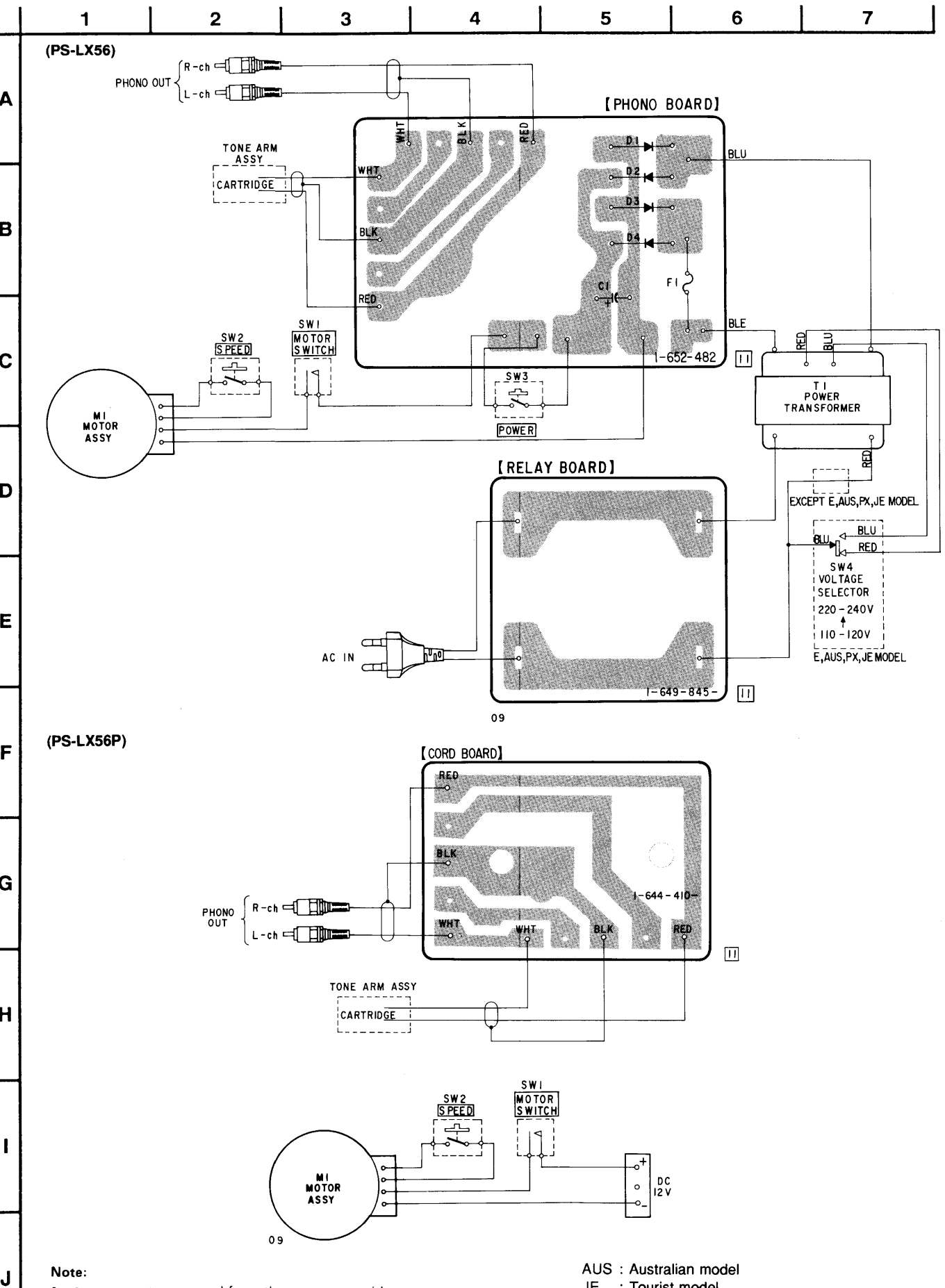
If the tonearm moves outward when you move it close to the centre  
Do not resist this movement, as it may damage the automatic return mechanism.

If the tonearm does not return to its armrest  
Press REJECT.

SCHEMATIC DIAGRAMS

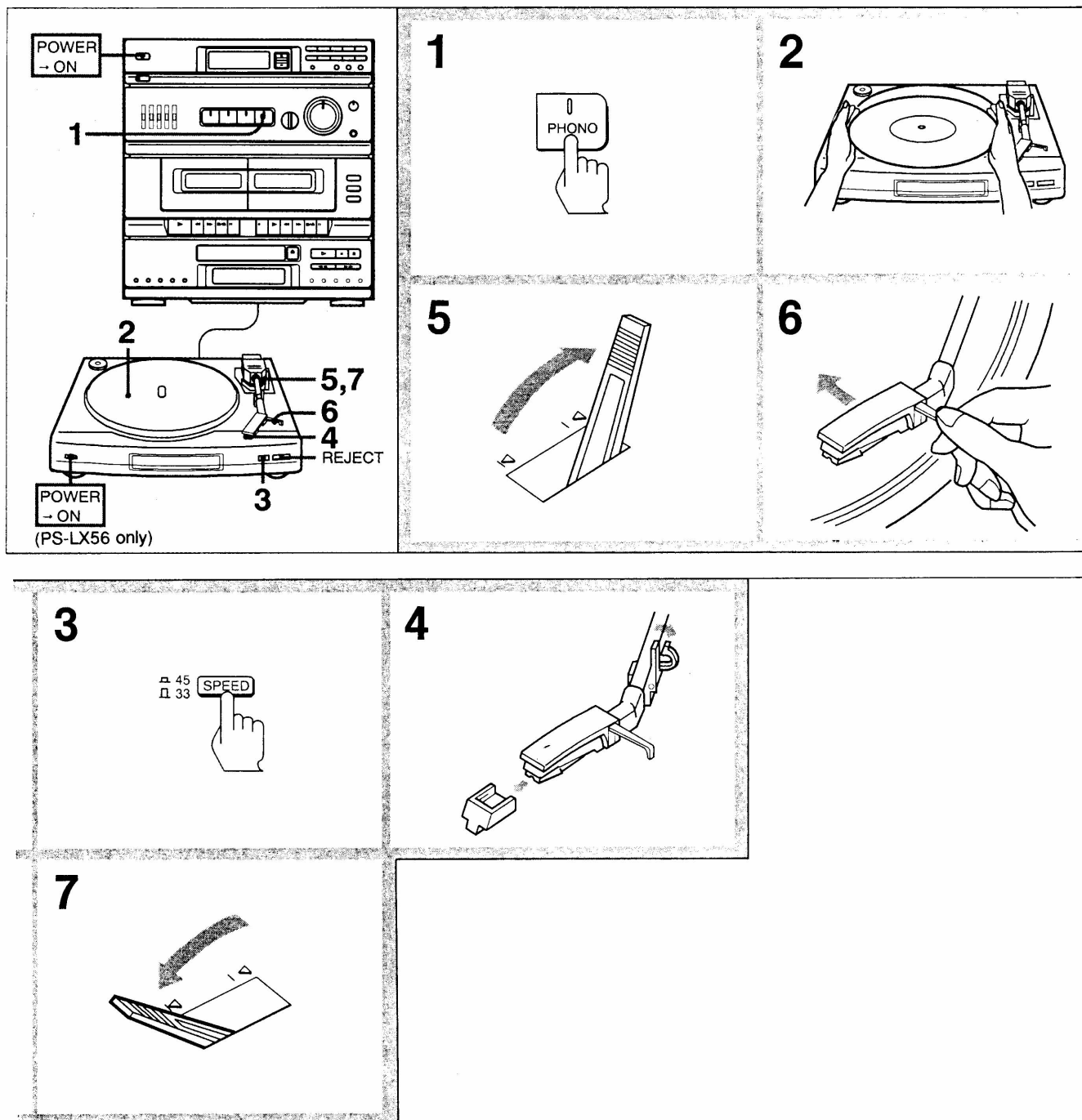


WIRING DIAGRAMS





# Playing Records



When the record is played to the end, the tonearm returns to the armrest and the turntable stops.

To stop during play, press REJECT.

To play a different part of the record

Lift the tonearm by setting the cueing level to ▽, move the tonearm by hand to the desired point, then set the cueing lever to ▽.

To play a 17-cm record

Use the supplied adaptor

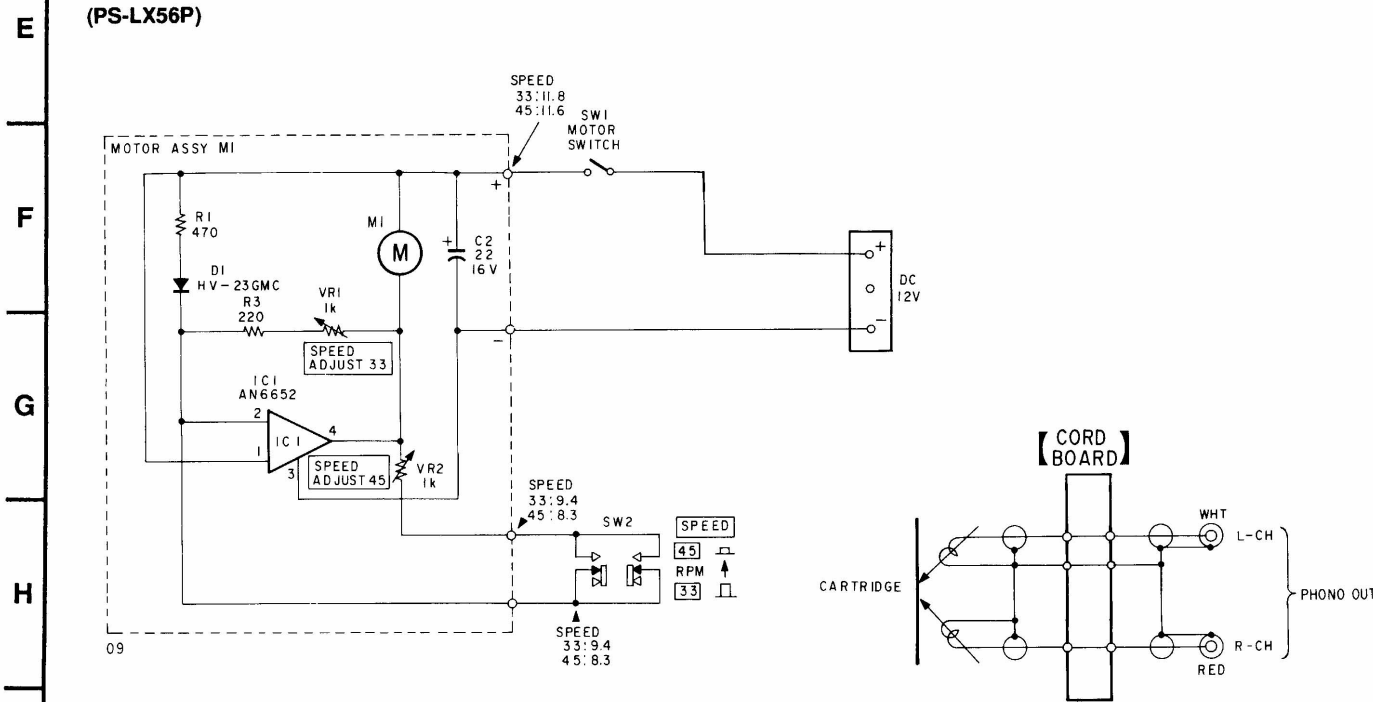
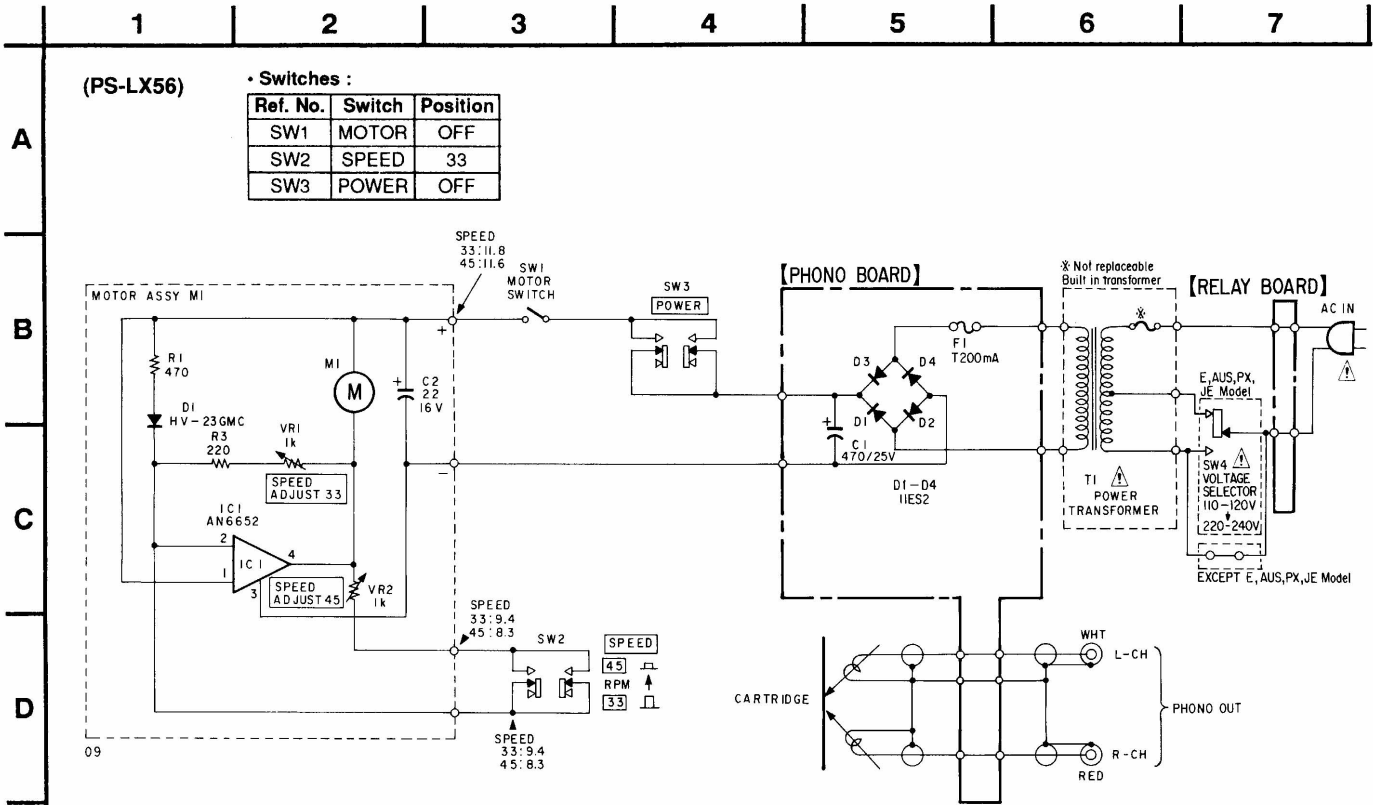
**If the tonearm moves outward when you move it close to the centre**

Do not resist this movement, as it may damage the automatic return mechanism.

**If the tonearm does not return to its armrest**

Press REJECT.

SCHEMATIC DIAGRAMS



**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ ;  $\mu\text{F}$  50VV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $1/4\text{W}$  or less unless otherwise specified.

AUS : Australian model  
JE : Tourist model

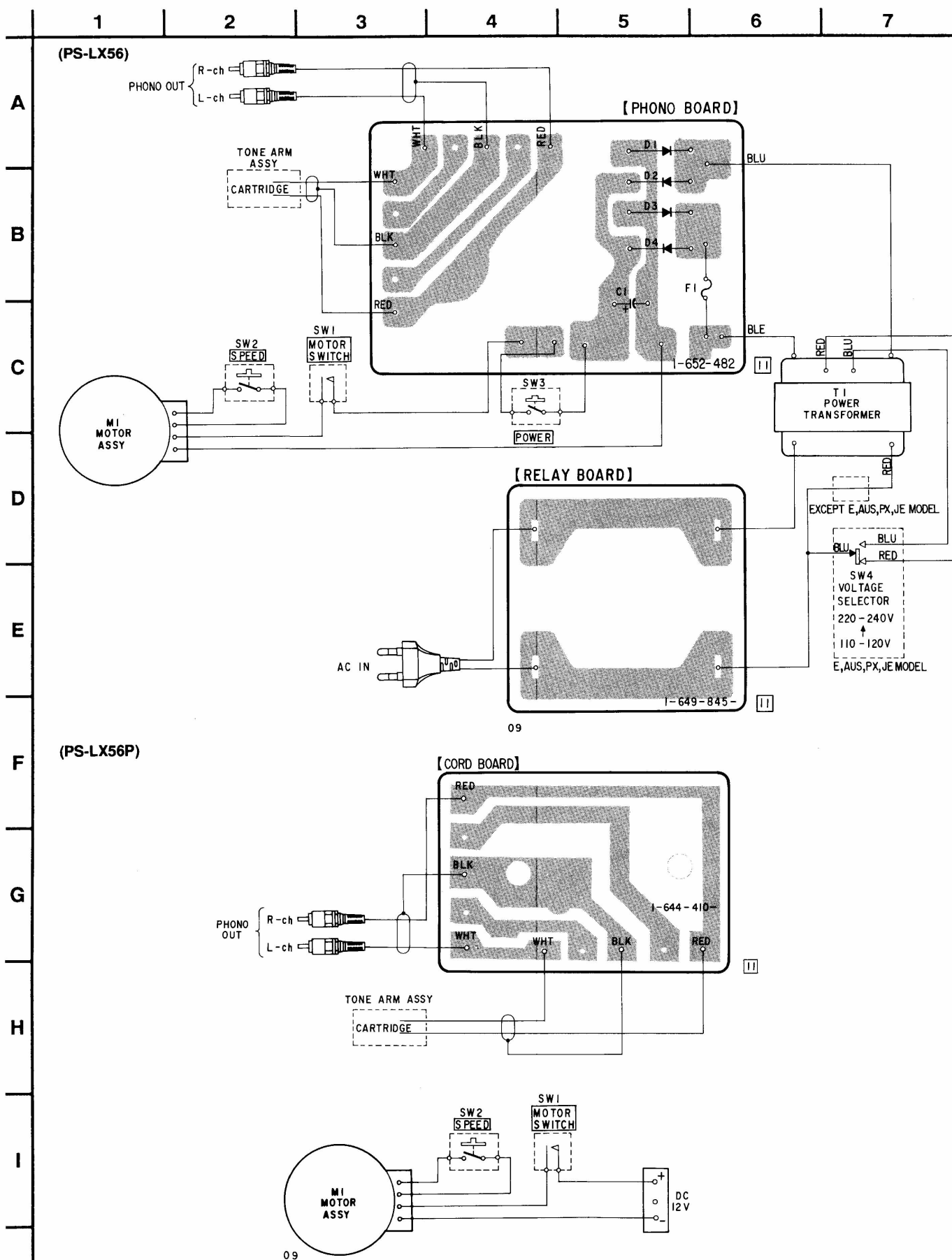
• Switches :

Ref. No.	Switch	Position
SW1	MOTOR	OFF
SW2	SPEED	33
SW3	POWER	OFF
SW4	VOLTAGE SELECTOR	240V

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spéci-fié.

## WIRING DIAGRAMS



Note:

● ○ — : parts extracted from the component side.

AUS : Australian model  
JE : Tourist model

CORD

PHONO

RELAY

## EXPLODED VIEW

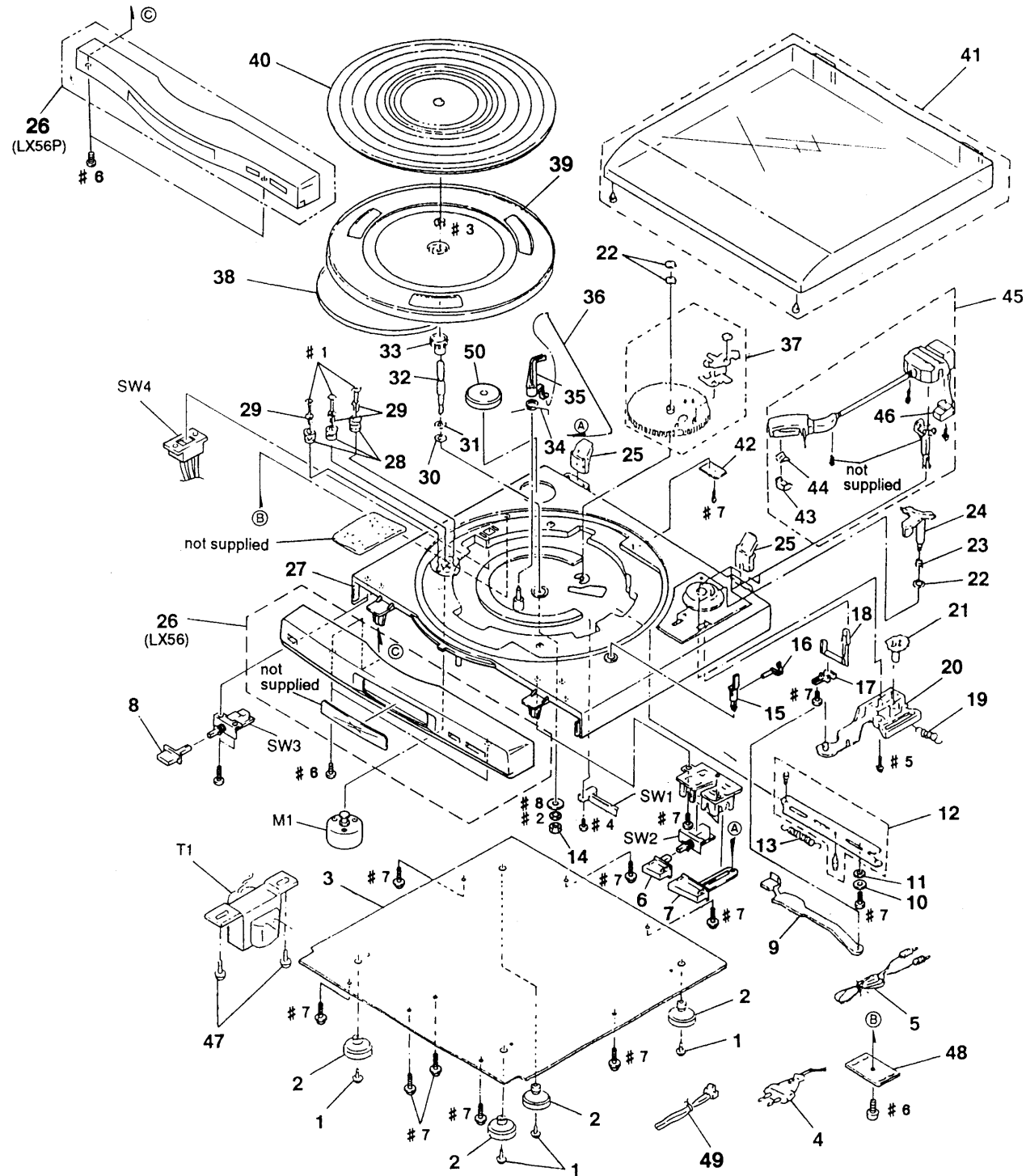
## NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- AUS : Australian model
- CND : Canadian model
- EE : East European model
- IT : Italian model
- MX : Mexican model
- EA : Saudi Arabia model
- SP : Singapore model
- MY : Malaysia model
- JE : Tourist

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.



Ref. No.	Part No.	Description	Remark
1	4-950-497-01	FOOT SEAT	
2	4-950-490-01	PLASTIC STAND	
* 3	4-961-804-01	BUTTON BOARD	
$\Delta$ 4	1-575-651-61	CORD, AC (LX56: AEP, EA, EE, IT, MX, MY, CIS, SP)	
$\Delta$ 4	1-575-975-11	CORD, AC (LX56: CND, US)	
$\Delta$ 4	1-590-074-11	CORD, AC (LX56: E)	
$\Delta$ 4	1-690-608-11	CORD, AC (LX56: AUS)	
$\Delta$ 4	1-696-570-21	CORD, AC (LX56: UK)	
5	1-555-116-11	CORD, PHONO...(BLACK)	
6	4-964-177-01	KNOB SPEED...(BLACK)	
6	4-964-177-11	KNOB SPEED	
	...(LX56:SILVER, SILVER METALLIC)		
7	4-964-178-01	KNOB REJECT...(BLACK)	
7	4-964-178-11	KNOB REJECT	
	...(LX56:SILVER, SILVER METALLIC)		
8	4-964-184-01	KNOB POWER (LX56:BLACK)	
8	4-964-184-11	KNOB POWER	
	...(LX56:SILVER, SILVER METALLIC)		
9	4-947-487-01	RETURN LINK	
10	4-890-173-00	WASHER	
11	3-659-350-00	WASHER	
12	A-4604-947-A	RETURN ASSY, LEVER	
13	4-947-485-01	SPRING (22)	
14	4-947-510-01	NUT	
15	4-947-491-01	ARM REST	
16	A-4660-499-A	ARM CLIP ASSY	
17	4-947-477-01	CUEING (BASE)	
18	4-947-468-01	LEVER, CUEING	
19	4-963-537-01	SPRING	
20	4-963-536-01	LINK RETURN	
21	4-963-535-01	ADJUST CAM	
22	4-947-514-01	4MM CS RING	
23	4-947-467-01	SPRING (6)	
24	4-947-466-01	TONE ARM ELEVATOR	
25	A-4660-498-A	HINGE ASSY	
26	A-4384-982-A	PANEL (B) ASSY. FRONT (LX56: SILVER)	
26	A-4411-941-A	PANEL (B) ASSY. FRONT (LX56: SILVER METALLIC)	
26	A-4660-577-A	FRONT PANEL (G) ASSY (LX56: GRAY) (US)	
26	A-4660-578-A	FRONT PANEL (G) ASSY (LX56: BLACK)	
26	A-4660-976-A	FRONT PANEL (G) ASSY (LX56P)	
* 27	4-950-487-01	MAIN CABINET (B)...(BLACK)	
* 27	4-950-487-11	MAIN CABINET (B) ...(LX56:SILVER, SILVER METALLIC)	
28	4-947-505-01	CUSHION MOTOR	
29	4-947-504-01	COLLAR	
30	3-451-162-00	WASHER (56)	
31	3-701-445-21	WASHER	
32	4-947-498-01	STELL BALL	
33	4-947-497-01	GEAR	
34	4-947-496-01	SPRING (34)	
35	4-947-495-01	WIPER REJECT	
36	4-948-101-01	SPRING (38)	
37	A-4604-916-A	GEAR ASSY, SPUR	
38	4-947-503-01	BELT	

Ref. No.	Part No.	Description	Remark
39	4-947-494-01	TURNTABLE PLATTER	
40	4-947-539-01	RUBBER MAT	
41	A-4604-946-A	DUST COVER ASSY	
* 42	1-652-482-11	PHONO BOARD (LX56)	
* 42	1-644-410-11	CORD BOARD (LX56P)	
43	4-948-095-01	COVER, CARTRIDGE	
44	4-951-290-01	STYLUS (CN-234)	
45	A-4604-940-A	ARM ASSY, TONE	
46	4-947-464-01	COUNTER WEIGHT	
47	4-952-961-01	SCREW (LX56)	
* 48	1-649-845-11	RELAY BOARD (LX56)	
49	1-557-109-21	CORD, DC (LX56P)	
50	3-701-806-00	ADAPTOR, 45	
M1	A-4604-945-A	MOTOR ASSY	
SW1	1-570-666-11	SWITCH (LEAF)	
SW2	1-571-089-11	SWITCH, PUSH (SPEED) (1 KEY)	
SW3	1-692-211-11	SWITCH, PUSH (POWER) (1 KEY) (LX56)	
$\Delta$ SW4	1-692-835-11	VOLTAGE SELECTOR (LX-56: AUS, E, MX, MY, SP)	
$\Delta$ T1	1-450-987-11	TRANSFORMER, POWER (LX56: AEP, EE, IT, CIS)	
$\Delta$ T1	1-450-987-21	TRANSFORMER, POWER (LX56: AUS, E, PX, EA, JE, MX, SP)	
$\Delta$ T1	1-450-987-31	TRANSFORMER, POWER (LX56: MY)	
$\Delta$ T1	1-450-987-41	TRANSFORMER, POWER (LX56: U, CA)	

## ELECTRICAL PARTS LIST

## NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms  
METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F : nonflammable
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Hardware (# mark) list is given in the last of this parts list.

- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$  A..., uPA...:  $\mu$  PA...,  
uPB...:  $\mu$  PB..., uPC...:  $\mu$  PC...,  
uPD...:  $\mu$  PD...

- CAPACITORS  
uF :  $\mu$  F  
uH :  $\mu$  H
- COILS  
uH :  $\mu$  H
- AUS : Australian model
- CND : Canadian model
- EE : East European model
- IT : Italian model
- MX : Mexican model
- EA : Saudi Arabia model
- SP : Singapore model
- MY : Malaysia model
- JE : Tourist

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.



Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-644-410-11	CORD BOARD (LX56P) *****				ACCESSORIES & PACKING MATERIALS *****	
*****						3-758-045-11 MANUAL INSTRUCTION (English, French, Spanish, Portuguese) (LX56 AEP, CND)	
*	1-652-482-11	PHONO BOARD (LX56) *****				3-758-045-21 MANUAL INSTRUCTION (English) (LX56 US, UK)	
						3-758-045-41 MANUAL INSTRUCTION (German, Dutch, Swedish, Italian) (LX56 AEP, IT)	
C1	1-126-012-11	ELECT 470uF 16V				3-758-045-51 MANUAL INSTRUCTION (English, French, Spanish, Chinese) (LX56 AUS, E, PX, MX, EA, MY, SP, JE)	
						3-758-045-61 MANUAL INSTRUCTION (English, German, Polish) (LX56 EE, CIS)	
D1	8-719-200-82	DIODE 11ES2		*	4-947-532-01	SNOW BOX (L)	
D2	8-719-200-82	DIODE 11ES2		*	4-947-533-01	SNOW BOX (R)	
D3	8-719-200-82	DIODE 11ES2			3-701-806-00	ADAPTOR, 45	
D4	8-719-200-82	DIODE 11ES2		*****			
						*****	
$\Delta$ F1	1-532-613-XX	FUSE TIME-LAG (T200mA)				HARDWARE LIST *****	
*****							
*	1-649-845-11	RELAY BOARD (LX56) *****		#1	7-621-773-87	SCREW (64)	
*****				#2	7-623-210-22	WASHER (57)	
				#3	7-624-110-04	6MM E RING	
				#4	7-685-105-01	SCREW (59)	
				#5	7-685-645-79	SCREW (68)	
				#6	7-685-646-79	SCREW (60)	
				#7	7-685-647-79	SCREW (58)	
				#8	7-688-005-01	WASHER (69)	

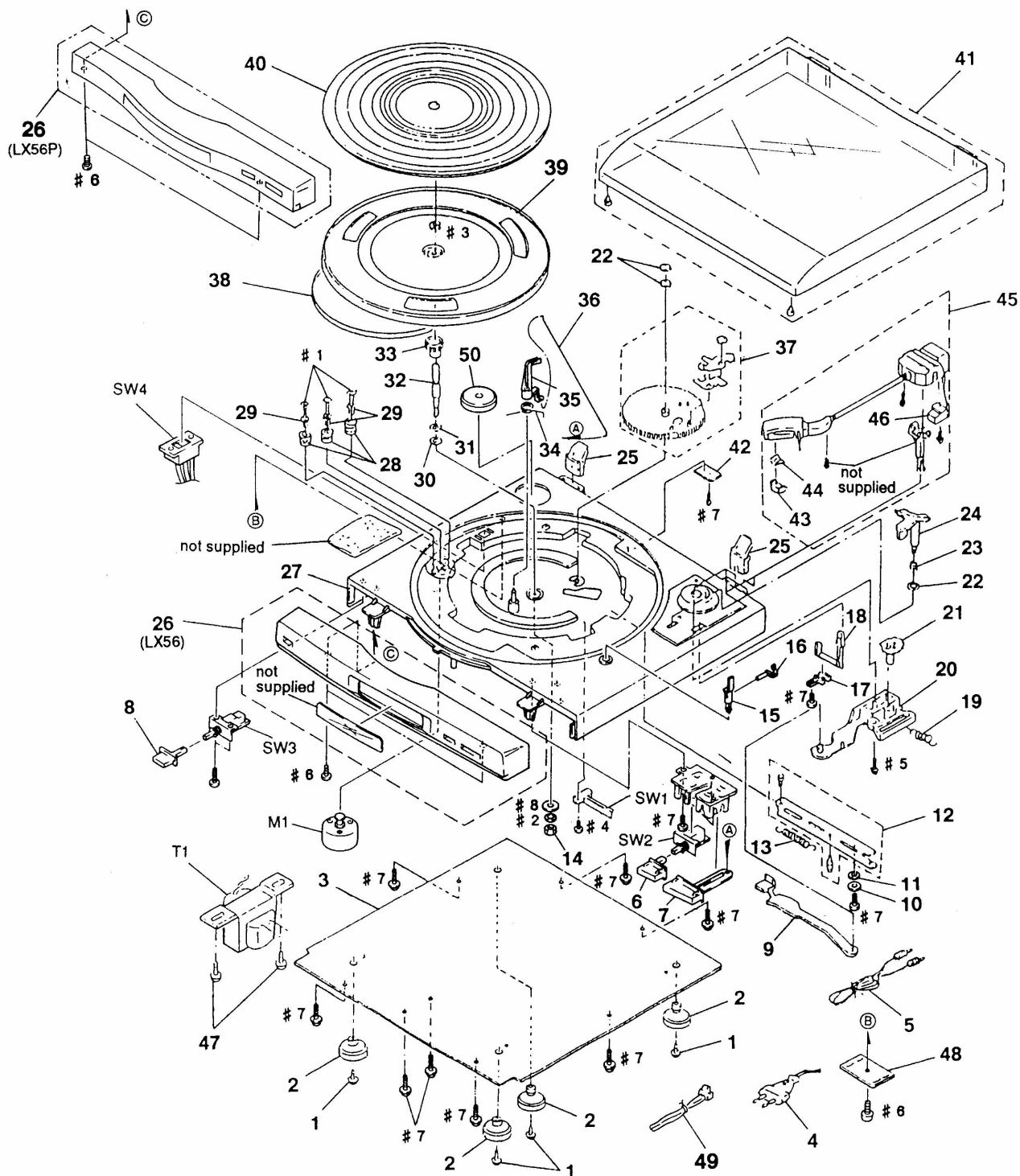
NOTE:

NOTE:

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  - Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
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  - SP : Singapore model
  - MY : Malaysia model
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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-950-497-01	FOOT SEAT		39	4-947-494-01	TURNTABLE PLATTER	
2	4-950-490-01	PLASTIC STAND		40	4-947-539-01	RUBBER MAT	
* 3	4-961-804-01	BUTTON BOARD		41	A-4604-946-A	DUST COVER ASSY	
△ 4	1-575-651-61	CORD, AC (LX56: AEP, EA, EE, IT, MX, MY, CIS, SP)		* 42	1-652-482-11	PHONO BOARD (LX56)	
△ 4	1-575-975-11	CORD, AC (LX56: CND, US)		* 42	1-644-410-11	CORD BOARD (LX56P)	
△ 4	1-590-074-11	CORD, AC (LX56: E)		43	4-948-095-01	COVER, CARTRIDGE	
△ 4	1-690-608-11	CORD, AC (LX56: AUS)		44	4-951-290-01	STYLUS (CN-234)	
△ 4	1-696-570-21	CORD, AC (LX56: UK)		45	A-4604-940-A	ARM ASSY, TONE	
5	1-555-116-11	CORD, PHONO...(BLACK)		46	4-947-464-01	COUNTER WEIGHT	
6	4-964-177-01	KNOB SPEED...(BLACK)		47	4-952-961-01	SCREW (LX56)	
6	4-964-177-11	KNOB SPEED ...(LX56:SILVER, SILVER METALLIC)		* 48	1-649-845-11	RELAY BOARD (LX56)	
7	4-964-178-01	KNOB REJECT...(BLACK)		49	1-557-109-21	CORD, DC (LX56P)	
7	4-964-178-11	KNOB REJECT ...(LX56:SILVER, SILVER METALLIC)		50	3-701-806-00	ADAPTOR, 45	
8	4-964-184-01	KNOB POWER (LX56:BLACK)		M1	A-4604-945-A	MOTOR ASSY	
8	4-964-184-11	KNOB POWER ...(LX56:SILVER, SILVER METALLIC)		SW1	1-570-666-11	SWITCH (LEAF)	
9	4-947-487-01	RETURN LINK		SW2	1-571-089-11	SWITCH, PUSH (SPEED) (1 KEY)	
10	4-890-173-00	WASHER		SW3	1-692-211-11	SWITCH, PUSH (POWER) (1 KEY) (LX56)	
11	3-659-350-00	WASHER		△ SW4	1-692-835-11	VOLTAGE SELECTOR (LX-56: AUS, E, MX, MY, SP)	
12	A-4604-947-A	RETURN ASSY, LEVER		△ T1	1-450-987-11	TRANSFORMER, POWER (LX56: AEP, EE, IT, CIS)	
13	4-947-485-01	SPRING (22)		△ T1	1-450-987-21	TRANSFORMER, POWER (LX56: AUS, E, PX, EA, JE, MX, SP)	
14	4-947-510-01	NUT		△ T1	1-450-987-31	TRANSFORMER, POWER (LX56: MY)	
15	4-947-491-01	ARM REST		△ T1	1-450-987-41	TRANSFORMER, POWER (LX56: U, CA)	
16	A-4660-499-A	ARM CLIP ASSY					
17	4-947-477-01	CUEING (BASE)					
18	4-947-468-01	LEVER, CUEING					
19	4-963-537-01	SPRING					
20	4-963-536-01	LINK RETURN					
21	4-963-535-01	ADJUST CAM					
22	4-947-514-01	4MM CS RING					
23	4-947-467-01	SPRING (6)					
24	4-947-466-01	TONE ARM ELEVATOR					
25	A-4660-498-A	HINGE ASSY					
26	A-4384-982-A	PANEL (B) ASSY, FRONT (LX56: SILVER)					
26	A-4411-941-A	PANEL (B) ASSY, FRONT (LX56: SILVER METALLIC)					
26	A-4660-577-A	FRONT PANEL (G) ASSY (LX56: GRAY) (US)					
26	A-4660-578-A	FRONT PANEL (G) ASSY (LX56: BLACK)					
26	A-4660-976-A	FRONT PANEL (G) ASSY (LX56P)					
* 27	4-950-487-01	MAIN CABINET (B) ...(BLACK)					
* 27	4-950-487-11	MAIN CABINET (B) ...(LX56:SILVER, SILVER METALLIC)					
28	4-947-505-01	CUSHION MOTOR					
29	4-947-504-01	COLLAR					
30	3-451-162-00	WASHER (56)					
31	3-701-445-21	WASHER					
32	4-947-498-01	STELL BALL					
33	4-947-497-01	GEAR					
34	4-947-496-01	SPRING (34)					
35	4-947-495-01	WIPER REJECT					
36	4-948-101-01	SPRING (38)					
37	A-4604-916-A	GEAR ASSY, SPUR					
38	4-947-503-01	BELT					



## ELECTRICAL PARTS LIST

## NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms  
METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F : nonflammable
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Hardware (# mark) list is given in the last of this parts list.

## • SEMICONDUCTORS

In each case, u:  $\mu$ , for example:

uA...:  $\mu$  A..., uPA...:  $\mu$  PA...,  
uPB...:  $\mu$  PB..., uPC...:  $\mu$  PC...,  
uPD...:  $\mu$  PD...

## • CAPACITORS

uF :  $\mu$  F

## • COILS

uH :  $\mu$  H

- AUS : Australian model
- CND : Canadian model
- EE : East European model
- IT : Italian model
- MX : Mexican model
- EA : Saudi Arabia model
- SP : Singapore model
- MY : Malaysia model
- JE : Tourist

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-644-410-11	CORD BOARD (LX56P) *****				ACCESSORIES & PACKING MATERIALS *****	
*****				3-758-045-11	MANUAL INSTRUCTION (English, French, Spanish, Portuguese) (LX56 AEP, CND)		
*	1-652-482-11	PHONO BOARD (LX56) *****		3-758-045-21	MANUAL INSTRUCTION (English) (LX56 US, UK)		
		< CAPACITOR >		3-758-045-41	MANUAL INSTRUCTION (German, Dutch, Swedish, Italian) (LX56 AEP, IT)		
C1	1-126-012-11	ELECT 470uF	16V	3-758-045-51	MANUAL INSTRUCTION (English, French, Spanish, Chinese) (LX56 AUS, E, PX, MX, EA, MY, SP, JE)		
		< DIODE >		3-758-045-61	MANUAL INSTRUCTION (English, German, Polish) (LX56 EE, CIS)		
D1	8-719-200-82	DIODE 11ES2		*	4-947-532-01	SNOW BOX (L)	
D2	8-719-200-82	DIODE 11ES2		*	4-947-533-01	SNOW BOX (R)	
D3	8-719-200-82	DIODE 11ES2			3-701-806-00	ADAPTOR, 45	
D4	8-719-200-82	DIODE 11ES2		*****			
		< FUSE >			*****		
$\Delta$ F1	1-532-613-XX	FUSE TIME-LAG (T200mA)			HARDWARE LIST *****		
*****				#1	7-621-773-87	SCREW (64)	
*	1-649-845-11	RELAY BOARD (LX56) *****		#2	7-623-210-22	WASHER (57)	
*****				#3	7-624-110-04	6MM E RING	
				#4	7-685-105-01	SCREW (59)	
				#5	7-685-645-79	SCREW (68)	
				#6	7-685-646-79	SCREW (60)	
				#7	7-685-647-79	SCREW (58)	
				#8	7-688-005-01	WASHER (69)	

MEMO



## REVISION HISTORY

Clicking the version allows you to jump to the revised page.

Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

[illegible]

# PS-LX56/LX56P

**SONY**<sup>®</sup>

## SERVICE MANUAL

*US Model*  
*Canadian Model*  
*PX Model*  
*Tourist Model*  
*PS-LX56*  
*AEP Model*  
*UK Model*  
*E Model*  
*Australian Model*  
*PS-LX56/LX56P*

## SUPPLEMENT-3

File this supplement with the service manual.

**Subject: SILVER METALLIC MODEL ADDITION (PS-LX56)**

- PS-LX56 (SILVER METALLIC MODEL) is similar to the earlier PS-LX56 (BLACK MODEL).
- Refer to the previous issued service manual for information not contained in this supplement-3.

### DIFFERENCE TABLE

Page	PS-LX56 (BLACK Model)				PS-LX56 (SILVER METALLIC Model)			
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
7	6	4-964-177-01	KNOB SPEED		6	4-964-177-11	KNOB SPEED	
	7	4-964-178-01	KNOB REJECT		7	4-964-178-11	KNOB REJECT	
	8	4-964-184-01	KNOB POWER (LX56)		8	4-964-184-11	KNOB POWER	
	26	A-4660-578-A	FRONT PANEL (G) ASSY (LX56:BLACK)		26	A-4411-941-A	PANEL (B) ASSY, FRONT	
	* 27	4-950-487-01	MAIN CABINET (B)		* 27	4-950-487-11	MAIN CABINET (B)	

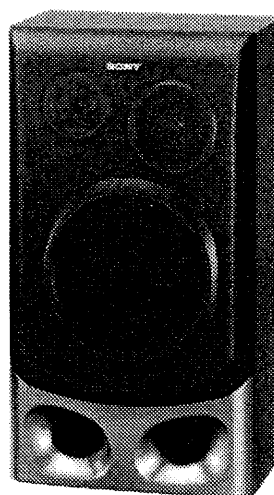
### NOTE:

- Items marked "\*" are not stocked since they are seldom required for routine service.  
Some delay should be anticipated when ordering these items.

# SS-D290

## SERVICE MANUAL

*Canadian Model  
E Model  
Australian Model  
PX Model*



This set is the speaker system in  
LBT-A110/A110K/A290/A290K/A295.

Photo : L-CH

### SPECIFICATIONS

Speaker system	: 3-way speaker system
Mass	: Approx. 4.3kg per speaker
Dimensions	: Approx. 260 × 475 × 185mm (w/h/d, including projections)

Design and specifications are subject to change without notice.

SPEAKER SYSTEM  
**SONY**®

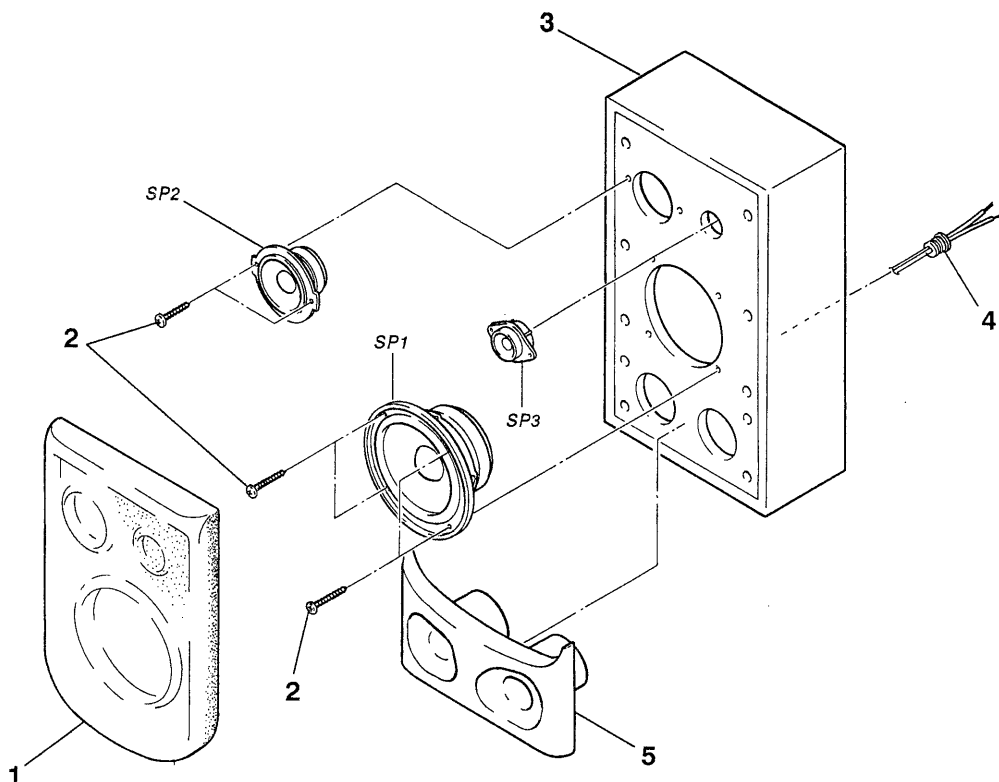
## EXPLODED VIEW AND PARTS LIST

### NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Abbreviations  
AUS : Australian Model  
MY : Malaysia Model  
MX : Mexican Model  
SP : Singapore Model  
EA : Saudi Arabia Model



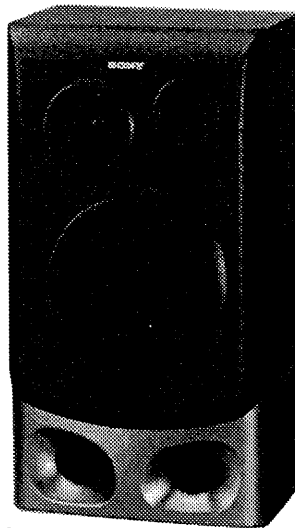
Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	X-4944-228-1	PANEL (L) ASSY, FRONT (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)		4	1-575-696-11	CORD, SPEAKER (WITH (C))	
1	X-4944-229-1	PANEL (R) ASSY, FRONT (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)		5	X-4944-230-1	DUCT ASSY, ORNAMENTAL (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)	
1	X-4944-301-1	PANEL (L) ASSY, FRONT (E, AUS, MX, SP, EA) (Made in Indonesia)		5	X-4944-587-1	DUCT ASSY, ORNAMENTAL (E, AUS, MX, SP, EA) (Made in Indonesia)	
1	X-4944-302-1	PANEL (R) ASSY, FRONT (E, AUS, MX, SP, EA) (Made in Indonesia)		SP1	1-544-451-11	SPEAKER (16CM) (WOOFER)	
2	4-874-614-61	SCREW (M3.5X16)		SP2	1-544-452-21	SPEAKER (6CM) (MID-RANGE)	
* 3	A-4353-679-A	CABINET (L) ASSY, SPEAKER (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)		SP3	1-544-453-21	SPEAKER (2CM) (TWEETER)	
* 3	A-4353-680-A	CABINET (R) ASSY, SPEAKER (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)		*****			
* 3	A-4353-681-A	CABINET (L) ASSY, SPEAKER (E, AUS, MX, SP, EA) (Made in Indonesia)		ACCESSORIES & PACKING MATERIALS			
* 3	A-4353-682-A	CABINET (R) ASSY, SPEAKER (E, AUS, MX, SP, EA) (Made in Indonesia)		*****			
				*	4-964-536-01	CUSHION (E, AUS, MX, SP, EA) (Made in Indonesia)	
				*	4-964-536-11	CUSHION (Canadian, E, AUS, MY, MX, PX) (Made in Malaysia)	

# SS-D555

## SERVICE MANUAL

REVISED

*US Model*  
*E Model*



This set is the speaker system in  
LBT-A295/D550.

Photo : R-CH

### SPECIFICATIONS

Speaker system	: 3-way speaker system
Mass	: Approx. 4.8kg per speaker
Dimensions	: Approx. 260 × 475 × 185mm (w/h/d, including projections)

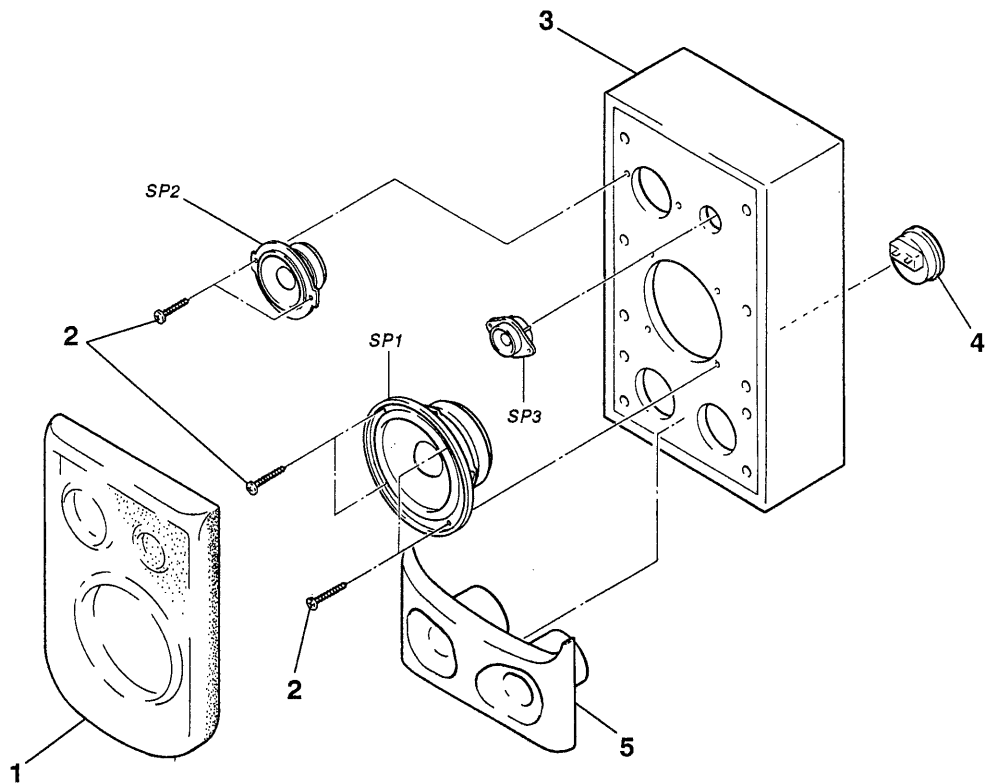
Design and specification subject to change without notice.

SPEAKER SYSTEM  
**SONY**®

EXPLODED VIEW AND PARTS LIST

NOTE :

- -XX, -X mean standardized parts, so they may have some difference from the original one.
  - The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
  - The mechanical parts with no reference number in the exploded views are not supplied.



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
1	X-4944-228-1	PANEL (L) ASSY, FRONT		SP2	1-504-516-11	SPEAKER (6CM) (MID-RANGE) (US)	
1	X-4944-229-1	PANEL (R) ASSY, FRONT		SP2	1-504-647-11	SPEAKER (6CM) (MID-RANGE) (E)	
2	4-874-614-61	SCREW (M3, 5X16)		SP3	1-544-453-21	SPEAKER (2CM) (TWEETER)	
* 3	A-4353-686-A	CABINET (L) ASSY, SPEAKER		*	1-765-601-11	CORD, WITH CONNECTOR	
* 3	A-4353-687-A	CABINET (R) ASSY, SPEAKER		*****			
4	1-537-332-11	TERMINAL BOARD (SPEAKER TERMINAL)		ACCESSORIES & PACKING MATERIALS			
5	X-4944-589-1	DUCT ASSY, ORNAMENTAL		*****			
SP1	1-504-514-11	SPEAKER (16CM) (WOOFER) (US)		*	4-964-536-11	CUSHION	
SP1	1-504-646-11	SPEAKER (16CM) (WOOFER) (E)					